

## Product datasheet for RC222632

### FCGBP (NM\_003890) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FCGBP (NM_003890) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FCGBP
Synonyms:	FC(GAMMA)BP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC222632 representing NM_003890 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGTGCCCTATGGAGCTGGTGGATACTCTGGGCTGGAGCAACCCTCCTGTGGGGATTGACCCAGGAGG  
CTTCAGTGGACCTCAAGAACACTGGCAGAGAGGAATTCCTCACAGCCTTCCTGCAGAACTATCAGCTGGC  
CTACAGCAAGGCCTACCCCGCCTCCTTATCTCCAGTCTGTCCAGAGAGCCCGCTTCAGTCTCCATCCTC  
AGCCAGGCAGACAACACCTCAAAGAAGGTACAGTGGAGCCCGGGGAGTCGGTCATGGTCAACATCAGTG  
CCAAGGCTGAGATGATAGGCAGCAAGATCTCCAGCATGCGGTGGTATCCATTCTGACTATGCCATCTC  
TGTGCAGGCACTAAATGCCAAGCCTGACACAGCGGAGCTGACACTGCTGCGGCCATCCAGGCCCTAGGC  
ACCGAGTATTTTGTGCTCACACCCCGGCACCTCAGCCAGGAATGTCAAGGAGTTTGCCGTGGTGGCCG  
GTGCCGCAAGTGCCTCGGTGAGTGTACAGCTGAAGGGGTGAGTCAATGGCAAGTTCTATCCAGC  
AGGCGATGTCTAAGAGTACTTACAGCCCTACAATGTGGCCAGCTACAGAGCTCAGTGGATCTCTCG  
GGTCAAAGGTACAGCTAGTAGCCCGTGGTGTCTCTGCGCACAGCTGTGCGCAGAAACATACGA  
CCTGCAACCATGTGGTTGAGCAGCTGTACCCAGTCTGCTGGGCACCCACTATGTAGTACCCAGCT  
GGCCTCCCAATCTCGCTATGATTTGGCCTTCGTTGTGGCCAGCCAGGCCACAAAGCTGACCTACAACCAT  
GGGGTATCACTGGTCCCGTGGGCTCCAGGCAGGTGATGTGGTAGAGTTTGAGGTCCGGCCATCCTGGC  
CACTCTACCTGTCTGCAATGTGGGCATCCAGGTCTGTTGTTGGCACAGGTGCCATAAGGAATGAAGT  
GACTTATGACCCCTACCTGGTCTGATCCAGATGTGGCGGCTACTGCCAGCCTATGTGGTCAAGAGT  
GTACCAGGCTGTGAGGGCGTGGCCCTGGTGTGGCACAGACGAAGGCTATCAGCGGGCTGACCATAGATG  
GGCATGCAGTGGGGCCAAAGCTCACCTGGGAGGCTGTGCCAGGCAGTGTGTTCTCGTATGCTGAAGTGGA  
GCTCGGCACAGCTGACATGATCCACACGGCCGAGGCCACCAACTGGGACTGCTCACCTTCGGGCTG  
GCCAAGGCTATAGGCTACGCAACAGCTGCTGATTGCGGCCGACTGTACTGTCCCAGTGGAGCCCTCCT  
GCGAAGGCATGCAGTGCAGCCGGGCAGCGCTGCCAGGTGGTAGCGGGGAAGGCCGGGTGTGTGGCGGA  
GTCACCCGCTGTCTGCCGCGCCAGGGCAGCCCACTTACACCACCTTCGACGGCCGTGCTACGACATG



[View online >](#)

ATGGGCACCTGTTTCGTACACGATGGTGGAGCTGTGCAGCGAGGACGACACCCTGCCCGCCTTCAGCGTGG  
 AGGCCAAGAACGAGCACCAGGGGAGCCGCCCGCTCCTACGTGGGCCTCGTCACTGTGCGCGCCTACAG  
 CCACTCTGTGCTGCTGACCCCGGGTGAAGTTGGCTTCGTCTGGTTGACAACCAGCGCTCGCGCCTGCCA  
 GTCTCCCTGAGTGAGGGTGCCTGCGTGTGTACAGAGCGGACCAGGGCCGTGGTGGAGCTGGTCTTTG  
 GGCTGGTGGTCACTTATGACTGGGACTGCCAGCTGGCACTCAGCCTGCCTGCACGCTTCCAAGACCAGGT  
 GTGCGGGCTGTGTGGCAACTATAATGGTGACCCAGCAGACGACTTCTCACGCTGACGGGGCTCTGGCT  
 CCTGACGCTGTGGAGTTCGCAAGTACCTGGAAGCTGGATGATGGGACTACCTGTGTGAGGATGGCTGCC  
 AGAACAACTGTCCCGCCTGCACCCAGGCCAGGCCAACACTATGAGGGCGACCCTGTGTGGCATGCT  
 GACCAAGCTCGATGGCCCTTCGTGTCTGCCATGACACCCTGGACCCAGGCCCTTCTGGAGCAGTGT  
 GTATATGACCTGTGTGGTTCGGTGGGAGCGGCTCAGCCTGTGCCGTGGCCTCAGCGCCTATGCCCAGG  
 CCTGTCTGGAGCTTGGCATCTCGTTGGGGACTGGAGATCACCAGCCAAGTCCCGCTGTCTGCCCTGC  
 CAACAGCCGCTATGAGCTCTGCGGCCCTGCTTGCCCGACCTCTGCAACGGGGCTGCGGCGCCGTCCAAC  
 TGCTCCGGGCGCCCTGCGTGGAGGGCTGCGTGTCCAGGCTTCGTGGCCAGCGCGGCGCCTGCG  
 TGCCGGCCTCGTGTGGTGCACCTCCAGGGTCTCCAGCTCGCTCCGGGCCAGGAAGTGTGGCGGA  
 CGAGTTGTGCCAAAGGCGCTGCACCTGCAACGGCGCCACCATCAGGTCACTGCCGCGACAAGCAGAGC  
 TGCCCGGGCGGGTGAAGCTGCAGCGTCCAGAACGGCCTCCTGGGCTGCTACCCCGATCGTTCCGGACCT  
 GCCAGGGTCCGGGACCCACACTATGTGAGCTTCGACGGCCGGCGCTTCGACTTCATGGGCACCTGCAC  
 GTACCTGCTGGTTCGGTTCATGCGGCCAGAACGCAGCGCTGCCTGCCCTCCGGGTGCTGGTGGAAAACGAG  
 CATCGGGCAGCCAGACTGTGAGCTACACGCGCGCCGTGCGGGTGGAGGCCCGCGGGGTGAAGGTGGCCG  
 TGCGCCGGGAGTACCCCGGGCAAGTGTGGTGGATGACGTCTTCAGTATCTGCCCTTCCAAGCAGCAGA  
 TGGGCAGGTGCAGGTGTTCCGACAGGGCAGGGATGCCGTGCGCACGGACTTTGGCCTGACTGTCACT  
 TATGACTGGAATGCACGAGTACTGCCAAGGTGCCAGCAGCTATGCTGAGGCCCTGTGTGGACTGTG  
 GGAATTCACAGGGGACCCAGCTGATGACTGGCTTCCGGGGTGGGGTCAAGCTGCAATGACTGTGC  
 CTTTGGGAACAGCTGGCAAGAAGAGACGAGGCCCGGCTGTGGAGCAACTGAACCGGTGACTGTCCCAAG  
 CTGGACTCCCTGGTGGCCAGCAGCTGCAGAGCAAGAATGAGTGTGGAATCCTTGCCGACCCCAAGGGC  
 CTTCCGGGAGTGCCATAGCAAGCTGGACCCAGGGTGCCTGCGCGACTGTGTCTATGACCGTGCCT  
 GCTGCCAGGCCAGTCTGGGCCACTGTGTGACGCACTGGCCACCTATGCTGCTGCATGCCAGGCTGCTGGA  
 GCCACAGTGCACCCCTGGAGGAGTGAAGAACTTGGCCACTGAGCTGCCACCCACAGCCACTATGAGG  
 CGTGTTCCTACGGCTGCCCGTGTCTGTGGAGACCTCCAGTGCCCGGGGGCTGTGGCTCAGAATGCCA  
 TGAGGGCTGCGTGTGCGATGAGGGCTTTCGCTCAGTGGTGAATCCTGCCCTGCCCTGCTGTGGC  
 TGCGTACACCAGGGCACCTACCACCACAGGCCAGACCTTCTACCTGGCCCCGATGTGATTCCCTTT  
 GCCACTGCCAGGAGGGCGCCTGGTGTCTGTGAGTCTCCAGCTGCGGACCGCAGCAGGGCTGCCAGCC  
 ATCCGGTGGCAGCTTGGGCTGTGTGGCCGTGGGCTCTAGCACCTGCCAGGCGTCAAGGAGACCCCACTAC  
 ACCACCTTCGATGGCCCGCCTTCGACTTCATGGGCACCTGCGTGTATGTGCTGGCTCAGACCTGCGGCA  
 CCCGGCTGGCCTGCATCGGTTTCCCGTCTCCAGGAGAACGTGGCCTGGGGTAAAGGGCAGTCACTGT  
 GACCAGGTGATCAGGTCCAGGTGGCAAACCTTACCCTGCGGCTGGAGCAGAGACAGTGGAAAGTCAAG  
 GTGAACGGTGTGGACATGAAGCTGCCGTGGTGTGGCCAACGGCCAGATCCGTGCCCTCCAGCATGGTT  
 CAGATGTTGTGATTGAGACCGACTTCGGCTGCGTGTGGCCTACGACCTTGTGTACTATGTGCGGGTCA  
 CGTCCCGGAAACTACTACCAGCAGATGTGTGGCCTGTGTGGAACTACAACGGCGACCCCAAGGATGAC  
 TTCCAGAAGCCCAATGGCTCACAGGCAGGCAACGCCAATGAGTTCGGCAACTCCTGGGAGGAGTGGTGC  
 CCGACTCTCCCTGCCCGCCACCCCTTGCCCGCCGGGAGCGAGGACTGTATCCCCAGCCACAAGTG  
 TCCTCCGAGCTGGAGAAGAAGTATCAGAAGGAGGAGTTCGTGGGCTCCTCCTCCAGCCACAGGGCCA  
 CTGTCTCCTGCCACAAGCTGGTGGATCCCCAGGGTCCCTTGAAGATTGCATCTTTTATCTCTGCTGG  
 GTGGTGGGAACCTGAGCATTCTGTCAGCAACATCCATGCCTACGTGAGTGTGTCAGGCGGCTGGAGG  
 CCACGTGGGGCCCTGGAGGACTGAACTTTCTGTCCATGGAGTGCCTCCGAACAGTCACTACGAGCTC  
 TGTGCGGACACCTGCTCCCTGGGCTGCTCAGCTCTCAGTGCCTCCACAGTGCAGGATGGGTGTGCTG  
 AGGGCTGCCAGTGTGACTCCGGTTCCTCTACAATGGCCAAGCCTGCGTGCCTCCAGCAATGCGGCTG  
 CTACCACAATGGTGTCTACTATGAGCCGAGCAGACAGTCTCATTGACAAGTGTGCGGACAGTGCACG  
 TGCCATGCGGGTAAAGGCATGGTGTGCCAGGAACACAGCTGCAAGCCGGGGCAGGTGTGCCAGCCCTCCG  
 GAGGCATCCTGAGCTGCGTCAACAAAGACCCGTGCCACGGCGTGACATGCCGGCCACAGGAGACATGCAA  
 GGAGCAGGGTGGCCAGGGCGTGTGCTGCCAACTATGAGGCCACGTGTGGTGTGGGGCAGCCACAC  
 TACCACTCCTTCGATGGCCGGAAGTTTACTTCCAGGGCACCTGTAACATATGTGCTGGCAACAAGTGGT

GCCCCGGGGTTCAGCACCCAGGGCCTGACACCCTTCACCGTCACCACCAAGAACCAGAACCAGGGGGCAACCC  
 TGCTGTGTCTACGTGAGAGTCGTACCGTGGCTGCCCTCGGCACCAACATCTCCATCCACAAGGACGAG  
 ATCGGCAAAGTCCGGGTGAACGGTGTGCTCACAGCCTTGCTGTCTGTGGCCGACGGGCGGATTTAG  
 TGACCCAGGGTGCATCGAAGGCACTGCTGGTGGCTGACTTTGGACTGCAAGTCAAGTATGACTGAACTG  
 GCGGGTAGACGTGACGCTGCCAGCAGCTATCATGGCGCAGTGTGCGGGCTCTGCGGTAAACATGGACCGC  
 AACCCCAACAATGACCAGTCTTCCCTAATGGCACACTGGCTCCCTCCATACCCATCTGGGGCGGCAGT  
 GCGGATCGAGCAGTACGAGGGCCCTGGCTTCTGCGGACCCTGGCCCCGGCACAGGGGGCCCTTTCACC  
 ACCTGCCATGCTCATGTGCCACCTGAGAGCTTCTCAAGGGCTGTGTTCTGGACGCTGCATGGGTGGT  
 GGGACCGTGCATTCTTTGCAAGGCTCTGGCTTCTATGTGGCCGCTGCCAGGCTGCTGGGGTTGCAT  
 CGAAGACTGGCGGGCACAGGTTGGCTGTGAGATCACCTGCCAGAAAACAGCCACTATGAGGTCTGTGGC  
 TCACCCTGCCCGCCAGCTGTCCGTCCCCTGCACCCCTTACGACGCCAGCCGATGTGAGGGCCCTGTG  
 TGGAGGGTGCAGTGCAGCGGGTTCGTGTTAAGTGTGACCCTGTGTTCCCTCAACAACGGCTG  
 CGGCTGCTGGGCAATGGCACCTACCACGAGGCGGGCAGTGAATTTGGGCTGATGGCACCTGCTCCAG  
 TGGTGTGCTGCGGGCCTGGGGTGGCTCGCTGGTCTGCACACCTGCCAGCTGTGGGCTGGTGAAGTGT  
 GTGGCCTCCTGCCATCCGGCCAGCAGGGCTGCCAGCCCTCAGCACAGCTGAGTGCCAGGCGTGGGGTGA  
 CCCCCATTACGCTACTCTGGATGGGCACCGATTGATTTCCAAGGCACCTGCGAGTACCTGCTGAGTGCA  
 CCCTGCCACGGACCACCTTTGGGGGCTGAGAACTTCACTGTACTGTAGCCAATGAGCACCAGGGGACGC  
 AGGCTGTGAGTACACCCGCAAGTGTACCCCTGCAAATCTACAACCACAGCCTGACTGAGTGCCCGCTG  
 GCCCGGAAGCTACAGGTGGACGGCGTGTTCGTACTCTGCCCTCCAGCTGGACTCGCTCCTGCACGCA  
 CACCTGAGCGGCGCCGACGTGGTGGTGACCACAACCTCAGGGCTCTCGTGGCTTTCGACGGGGACAGT  
 TCGTGCCTGCGCGTCCGGCGGGTACGCGGGCTCTCTGTGGCTTATCGGGAACATAACAACAGGA  
 CCCCAGACAGACTGAAGGCGGTGGCGGGAAGCCCGCGGATGGCAGTGGGGCGCCAGGGCTGCG  
 GGGGAATGTGTCCAAGCCATGCCCGTCCCGTGCACCCAGAGCAGCAAGAGTCTTCGGCGGCCCGG  
 ACGCCTGCGGCGTGTACTCCGCCACCGACGCGCCGCTGGCGCCCTGCCACGGCCTGTGCGCGCCCGCA  
 GTACTTCCAGGGCTGCTTGTGACGCCTGCCAAGTTCAGGGCCATCCTGGAGGCCTCTGTCTGCAGTG  
 GTCACCTACGTGGCAGCCTGTGAGGCGCTGGGGCCAGCTCCGCGAGTGGAGGCGGCGGACTTCTGTC  
 CCTTCCAGTGCCTGCCACAGCCACTACGAGCTCTGCGGTGACTCCTGTCTGGGAGCTGCCGAGCCT  
 GTCGGCACCCGAGGGCTGTGAGTCCGCTGCCGTGAAGGCTGTGTCTGCGATGCTGGCTTCTGTGCTCAGT  
 GGTGACACGTGTGTACCTGTGGCCAGTGTGGTGCCTCCACGATGACCCTACTACCCACTGGGCCAGA  
 CCTTCTACCTGGCCCTGGGTGTGATTCCTTTGCGCTGCCGGAGGGCGGTGAGTGTCTGTGAGCC  
 CTCAGCTGCGGGCCGATGAGACCTGCCGGCCATCCCGTGGCAGCTTGGGCTGCGTGGCGTGGCCTCT  
 ACCACCTGCCAGGCGTCCGGAGATCCCCACTACACCACCTTCGATGGCCCGCCTTCGACTTTCATGGGCA  
 CCTGCGTGTATGTGCTGGCTCAGACCTGCGGCACCCGGCCTGGCCTACATCGGTTTGCCGTCTGCAGGA  
 GAACGTGGCCTGGGGTAAATGGGCGAGTCAAGTGTGACCAGGGTGTACCGTCCAGGTGGCAAACCTCACC  
 CTGCGGCTGGAGCAGAGACAGTGGAAAGTCAAGGTGAACGGTGTGGACATGAAGTGCCTGGTGGTGTG  
 CCAACGGCCAGATCCGTGCCTCCAGCATGGTTCAGATGTTGTGATTGAGACCGACTTCGGCCTGCGTGT  
 GGCCTACGACCTTGTGTACTATGTGCGGGTCAACCTCCCTGAAACTACTACAGCTGATGTGTGGCCTG  
 TGTGGAACTACAACGGCGACCCCAAGGATGACTTCCAGAAGCCCAATGGCTCGCAGGCAGGCAACGCCA  
 ATGAGTTTCGGCAACTCCTGGGAGGAGGTGGTCCCGACTCTCCCTGCCTGCCGCCACCTGCCCGCC  
 GGGGAGCGAGGGCTGTATCCCCAGCGAGGAGTGTCTCCCGAGCTGGAGAAGAAGTATCAGAAGGAGGAG  
 TTCTGTGGGCTCCTCTCCAGCCCCACAGGGCCACTGTCTCTGCCACAAGCTGGTGGATCCCCAGGGT  
 CCTTGAAGATTGCATCTTTGATCTCTGCTGGTGGTGGGAACCTGAGCATTCTCTGCAGCAACATCCA  
 TGCCTACGTGAGTGTGTCAGGCGGCTGGAGGCCAGTGGAGCCCTGGAGGAATGAAACTTTCTGTCCC  
 ATGGAATGCCCTCAGAACAGTCACTACGAGCTCTGTGCGGACACCTGCTCCCTGGGCTGCTCGGCTCTCA  
 GTGCCCTCTGCAGTGCCAGATGGGTGTGCTGAGGGCTGCCAGTGTGACTCCGGCTTCTCTACAACGG  
 CCAAGCCTGCGTGCCTCCAGCAATGTGGCTGCTACCACAATGGTGCCTACTATGAGCCGGAGCAGACA  
 GTCTCATTGACAACGTGCGGCAGCAGTGCACGTGCCATGCGGGTAAAGTCGTGGTGTGCCAGGAACACA  
 GCTGCAAGCCGGGGCAGGTGTGCCAGCCCTCCGGAGGCATCCTGAGCTGCGTCAACAAAGACCCGTGCCA  
 CGGCGTGACATGCCGGCCACAGGAGACATGCAAGGAGCAGGGTGGCCAGGGTGTGTGCTGCCAACTAT  
 GAGGCCACGTGCTGGTGTGGGGCGACCCACTACCCTCCTTCGATGGCCGGAAGTTTGACTTCCAGG  
 GCACCTGTAACATGTGCTGGCAACAACCTGGCTGCCCGGGGTGACGACCCAGGGCCTGACACCCTTAC

CGTCACCACCAAGAACCAGAACCGGGCAACCCTGCTGTATCCTACGTGAGAGTCGTACCCGTGGCTGCC  
 CTCGGCACCAACATCTCCATCCACAAGGACGAGATCGGCAAAGTCCGGGTGAACGGTGTGCTCACAGCCT  
 TGCTGTCTCCGTGGCCGACGGGCGGATTTCAAGTGGCCAGGGTGCATCGAAGGCACTGTGGTGGCTGA  
 CTTTGGACTGCAAGTCAGCTATGACTGGAACGGGGTAGACGTGACGCTCCCCAGCAGCTATCATGGC  
 GCAGTGTGCGGGCTCTGCGGTAACATGGACCGCAACCCCAACAATGACCAGGTCTCCCTAATGGCACAC  
 TGGCTCCCTCCATACCCATCTGGGGCGGCAGCTGGCGAGCCCCAGGCTGGGACCCACTGTGTTGGGACGA  
 ATGTGCGGGGCTCTGCCAACGTGCCCTGAGGACCGGTTGGAGCAGTACGAGGGCCCTGGCTTCTCGCGA  
 CCCTGGCCCCCGCACAGGGGGCCCTTTCACCACCTGCCATGCTCATGTGCCACCTGAGAGCTTCTTCA  
 AGGGCTGTGTTCTGGACGTCTGCATGGGTGGTGGGACCATGACATTCTTTGCAAGGCTCTGGCTTCTTA  
 TGTGGCCGCTGCCAGGCTGCTGGGTTGTATCGAAGACTGGCGGGCACAGTTGGCTGTGAGATCACC  
 TGCCAGAAAACAGCCACTATGAGGTCTGTGGCCACCCTGCCCGCCAGCTGTCCGTCCCTGCACCCC  
 TTACGACGCCAGCCGATGTGAGGGCCCTGTGTGAGGGCTGCCAGTGCACGCGGGTTTCGTGTTAAG  
 TGCTGACCCTGTGTTCCCTCAACAACGGCTGCGGCTGCTGGGCAATGGCACCTACCACGAGGCGGGC  
 AGTGAGTTTTGGCTGATGGCACCTGCTCCAGTGGTGTGCTGCGGGCTGGGGTGGCTGCTGCTGCT  
 GCACACCTGCCAGCTGTGGGCTGGGTGAAGTGTGTGCCCTCCTGCCATCCGGCCAGCAGGCTGCCAGCC  
 CGTCAGCACAGCTGAGTGCCAGGCGTGGGTGACCCCCATTACGTCACTCTGGATGGGCACCGATTTCGAT  
 TTCCAAGGCACCTGCGAGTACCTGCTGAGTGCACCCTGCCACGGACCACCTTGGGGGCTGAGAACTTCA  
 CTGCACTGTAGCCAATGAGCACCGGGGACGCCAGGCTGTGAGTACACCCGAGTGTACCCCTGCAAAAT  
 CTACAACCACAGCCTGACACTGAGTGCCTGCTGGCCCCGGAAGCTACAGGTGGACGGCGTGTTCGCACT  
 CTGCCCTTCCAGCTGGACTCGCTCCTGCACGCACACCTGAGCGGGCCGACGCTGGTGGTACCACAACT  
 CAGGGCTCTCGCTGGCTTTCGACGGGGACAGCTTCGTGCGCTGCGCGTGCCTGGCGGGCGTACGCGGGCTC  
 TCTCTGTGGCTTATGCGGGAACACAACCAGGACCCCGCAGACGACCTGAAGCGGTGGCGGGGAAGCCC  
 GCCGATGGCAGGTGGCGGGCCAGGCTGCGGGGAATGTGTGTCGAAGCCATGCCCTCGCCGTCGCA  
 CCCAGAGCAGCAAGAGTCTTCGGCGGGCCGGACGCTGCGGGCTGATCTCCGCCACCCGACGCGCCGCT  
 GCGCCCTGCCACGCGCTTGTGCCGCCCCGCGCAGTACTTCCAGGCTGCTTGTGACGCGCTGCCAAGTT  
 CAGGGCCATCCTGGAGGCTCTGTCTGCACTGGCCACCTACGTGGCAGCCTGTGAGGCCCTGGGGCC  
 AGCTCCGCGAGTGGAGGCGCGGACTTCTGTCCCTTCCAGTGCCTGCCACAGCCACTACGAGCTCTG  
 CGGTGACTCCTGTCTGGGAGCTGCCGAGCCTGTGCGCACCCGAGGGCTGTGAGTCGGCTGCCGTGAA  
 GGCTGTGCTGCGATGCTGGCTTCGTGCTCAGTGGTGACACGTGTGTACCTGTGGCCAGTGTGGCTGCC  
 TCCAGATGACCCTACTACCCACTGGCCAGACCTTCTACCCTGGCCCTGGGTGTGATTCCCTTTGCCG  
 CTGCCGGGAGGGCGGTGAGGTGCTGTGAGCCCTCCAGCTGCGGCCGATGAGACCTGCCGGCCATCC  
 GGTGGCAGCTTGGCTGGGTGGCGTGGCTCTACCACCTGCCAGGCGTGGGAGATCCCCACTACACCA  
 CCTTCGATGGCCCGCTTCGACTTTCATGGGCACCTGCGTGTATGTGCTGGCTCAGACCTGCGGCACCCG  
 GCCTGGCTACATCGGTTTCCGCTCCTGCAGGAGAACGTGGCCTGGGGTAATGGGCGAGTCAGTGTGACC  
 AGGGTGATCACGGTCCAGGTGGCAAACCTTACCCTGCGGCTGGAGCAGAGACAGTGAAGGTACCGGTGA  
 ACGGTGTGGACATGAAGTGCCTGGTGTGCGCAACGGCCAGATCCGTGCCTCCCAGCATGGTTCAGA  
 TGTGTGATTGAGACCGACTTCGGCTGCGTGTGGCCTACGACCTTGTGTACTATGTGCGGGTACCCTC  
 CCTGAAACTACTACAGCTGATGTGTGGCCTGTGTGGAACTACAACGGCGACCCCAAGGATGACTTCC  
 AGAAGCCCAATGGCTCGCAGGCAGGCAACGCCAATGAGTTCGGCAACTCCTGGGAGGAGTGGTCCCCGA  
 CTCTCCCTGCCGCGCCACCTGCCGCGGGGAGCGAGGGCTGTATCCCCAGCGAGGAGTGTCTCT  
 CCCGAGCTGGAGAAGAAGTATCAGAAGGAGGATTCTGTGGGCTCCTCTCCAGCCCCACAGGGCCACTGT  
 CCTCCTGCCACAAGCTGGTGGATCCCCAGGCTCCCTTGAAGATTGCATCTTTGATCTCTGCCTGGGTGG  
 TGGAACTGAGCATTCTCTGCAGCAACATCCATGCCTACGTGAGTGTGCTGCCAGGCGGCTGGAGGCCAC  
 GTGGAGCCCTGGAGGAATGAACTTTCTGTCCATGGAATGCCCTCAGAACAGTCACTACGAGCTCTGTG  
 CGGACACCTGCTCCCTGGGCTGCTGGCTCTCAGTCCCCCTGCACTGCCAGATGGGTGTGCTGAGGG  
 CTGCCAGTGTGACTCCGGCTTCTCTACAACGGCCAAGCCTGCGTGGCCATCCAGCAATGTGGCTGTAC  
 CACAATGGTGTACTATGAGCCGGAGCAGACAGTCTCATTGACAACGTGCGGCAGCAGTGCACGTGCC  
 ATGTGGGTAAAGTCGTGGTGTGCCAGGAACACAGCTGCAAGCCGGGCGAGGTGTGCCAGCCCTCCGGAGG  
 CATCCTGAGCTGCGTCAACAAAGACCCGTGCCACGGCGTACATGCCGGCCACAGGAGACATGCAAGGAG  
 CAGGGTGGCCAGGGCGTGTGCCTGCCAACTATGAGGCCACGTGCTGGCTGTGGGGCGACCCACACTACC  
 ACTCCTTCGATGGCCGGAAGTTTGACTTCCAGGGCACCTGTAACATATGTGCTGGCAACAACCTGGCTGCC  
 GGGGTGACACCAGGGCTGACACCTTACCCTGACCACCAAGAACCAGAACCAGGGGCAACCCTGCT

GTGTCCTACGTGAGAGTCGTACCCGTGGCTGCCCTCGGCACCAACATCTCCATCCACAAGGACGAGATCG  
 GCAAAGTCCGGTGAACGGTGTGCTCACAGCCTTGCTGTCTCCGTGGCCGACGGGCGGATTCAGTGGC  
 CCAGGGTGCATCGAAGGCACTGTGGTGGCTGACTTTGGACTGCAAGTCAGCTATGACTGGAACGGCGG  
 GTAGACGTGACGCTCCCCAGCAGCTATCATGGCGCAGTGTGCGGGCTCTGCGGTAACATGGACCCGAACC  
 CCAACAATGACCAGGTCTCCCTAATGGCACACTGGCTCCCTCCATACCCATCTGGGGCGGCAGCTGGCG  
 AGCCCCAGGCTGGGACCCACTGTGTTGGGACGAATGTGCGGGGTCTGCCAACGTGCCCTGAGGACCCG  
 TTGGAGCAGTACGAGGGCCTGGCTTCTGCGGACCCCTGGCATCTGGCACAGGGGGCCCTTCACCACT  
 GCCATGCTCATGTGCCACCTGAGAGCTTCTCAAGGGCTGTGTTCTGGAGTCTGCATGGGTGGTGGGA  
 CCATGACATTCTTTGCAAGGCTCTGGCTTCTACGTGGCCGCTGCCAGGCCGCTGGGGTTGTCATCGAA  
 GACTGGCGGGCACAGTTGGCTGTGAGATCACCTGCCAGAAAACAGCCACTATGAGGTCTGTGGCCAC  
 CCTGCCCGGCAGCTGTCCGTCCCTGCACCCCTTACGACGCCAGCCGTATGTGAGGGCCCTGTGTGA  
 GGGCTGCCAGTGCAGCGGGTTTCGTGTTAAGTGTGACCGCTGTGTTCCCTCAACAACGGCTGCGGC  
 TGCTGGGCAATGGCACCTACCACGAGGCGGGCAGTGAGTTTGGGCTGATGGCACCTGCTCCAGTGGT  
 GTCGCTGCGGGCCTGGGGTGGCTCGCTGGTCTGCACACCTGCCAGCTGTGGCTGGGTGAAGTGTGTGG  
 CCTCTGCCATCCGGCCAGCACAGCTGCCAGCCGTCAGCACAGCTGAGTGCCAGGCGTGGGGTACCCC  
 CATTACGTCACTCTGGATGGGCACCGATTTCGATTTCCAAGGCACCTGCGAGTACCTGCTGAGTGCACCT  
 GCCACGGACACCTTGGGGGCTGAGAATTCACTGTCACTGTAGCCAATGAGCACCGGGGACGCCAGGC  
 TGTGAGTACACCCGAGTGTACCCCTGCAAACTACAACACAGCCTGACACTGAGTGGCCGCTGGCC  
 CGGAAGCTACAGGTGCAGCGGCTGTTCTGGCTCTGCCTTCCAGCTGGACTCGCTCCTGCACGCACACC  
 TGAGCGGCGCCGACGTGGTGGTACCACAACCTCAGGGCTCTCGCTGGCTTTCGATGGGGACAGCTTCGT  
 GCGCCTGCGCGTCCCGGCGGCTACGCGGCTCTCTGTGGCTTATGCGGGAACACAACAGGACCC  
 GCAGACGACCTGAAGGCTGTGGGCGGGAAGCCGCTGGATGGCAGGTGGGCGGGCCAGGGCTCGGGG  
 AATGTGTGTTCAAGCCATGCCCTCGCCGTGACCCAGAGCAGCAGGAGTCTTCGGCGGCCGACGCG  
 CTGCGGGCTGATCTCCGCCACCGACGGCCGCTGGCACCCCTGCCACGGCTTGTGCCGCCGCGCATAC  
 TTCAGGGCTGCTTGGTGGACGCTGCCAAGTTAGGGCCATCCTGGAGGCTCTGCTCCTGCAGTGGCTA  
 CCTACGTGGCAGCCTGTGAGCCGCTGGGGCCAGCTCGGCGAGTGGAGGCGCCGGACTTCTGTCCCTT  
 GCAGTGCCTGCCACAGCCACTATGAGCTCTGCGGTGACTCCTGCCCTGTGAGCTGCCGAGCCTCTCA  
 GCACCCGAGGGCTGTGAGTCGGCTGCCGTGAAGGCTGTGTCTGCGATGCTGGCTTCGACTCAGTGGT  
 ACACCTGCGTACCCGTGGCCAGTGTGGCTGCCTCCATGATGGCCGCTACTACCCACTGGGCGAGGTCTT  
 CTACCCGGCCCTGAGTGTGAGCGGCTGTGAGTGTGGCCAGGTGGCCATGTCACCTGCCAGGAGGGC  
 GCAGCCTGTGGGCCCCATGAGGAGTCCCGTTAGAGGATGGTGTCCAGGCTGTGATGCCACAGGCTGTG  
 GCCGCTGCTGGCAACGGGGCATCCACTACATCACCTTGATGGCCGTGCTACGACCTGCATGGCTC  
 CTGCTCCTATGCTTGGCCAAAGTCTGCCACCCAAAGCCTGGGGACGAGGACTTTTCCATCGTGCTTGA  
 AAGAAATGCAGTGGACATCTCCAACGCCTCCTGGTACTGTGGCTGGCCAGGTTGTGAGCCTAGCTCAGG  
 GGCAGCAGGTACCGTGGACGGCGAGGCTGTGGCCCTGCCTGTGGCTGTGGGCGCGTGGGGTACCCG  
 CGAGGGCCGAAACATGGTTCTGCAGACGACCAAGGGGCTGCGGCTTCTTTGATGGCGATGCCACCTC  
 CTCATGTCATCCACAGCCCTTCCGTGGACGGCTCTGTGGCTCTGTGGAACTCAATGGCAACTGGA  
 GTGACGACTTTGCTTCCCAATGGCTCAGCAGCGTCCAGTGTGGAGACCTTCGGGGCTGCATGGCGGT  
 GCCCGCTCCTCAAGGGCTGTGGCGAGGCTGCGGGCCCAAGGCTGCCAGTGTGCTTGGCAGAGGAG  
 ACTGCACCTATGAGAGCAACGAGGCTGCGGGCAGCTCCGGAACCCCAAGGGCCCTTCGCGACCTGCC  
 AGGCGGTGCTGAGTCCCTCTGAGTACTTCCGCAATGCGTATACGACCTGTGCGCGCAAAAGGGTGACAA  
 AGCCTTCTGTGCCGACGCTGGCAGCTACACGGCGGCTGTGAGGAGCTGGCGTGGCGTGAAGCCC  
 TGGAGGACAGACAGTCTGCCCGCTCCATTGCCCGCCACAGCCACTACTCCATCTGCACTCGCACCT  
 GCCAGGGATCCTGTGGGCTCTCCTGGCTCACGGGCTGCACCACCCGCTGTTTTGAGGGCTGTGAGT  
 CGACGACCGCTTCTGCTTCCAGGGTGTGTCATCCCTGTCCAAGATTGTGGCTGCACCCATAATGGC  
 CGATACTTCCCGTAACTCCTCCCTGCTGACCTCAGACTGCAGCGAGCGCTGTTCTGTCTCCTCAAGT  
 CTGGCCTGACATGCCAGGCGCTGGCTGCCACCAGGCGGTGATGTGAGTCAAGGCTGAAGCCGGAA  
 CTGCTGGGCCACCGTGGTCTCTGTGTCCTGTCTGTGGGTGCCAACCTACCACCTTTGATGGGGCCGT  
 GGTGCCACCACCTCCTGGTGTCTATGAGCTCTTCCCGCTGCCAGGACTACAGAATACCATCCCT  
 GGTACCGTGTAGTTGCCGAAGTCCAGATCTGCCATGGCAAAACGGAGGCTGTGGGCCAGGTCCACATCTT  
 CTTCCAGGATGGGATGGTACGTTGACTCCAAACAAGGGTGTGTGGGTGAATGGTCTCCGAGTGGATCTC  
 CCAGCTGAGAAGTTAGCATCTGTGTCGTGAGTGTGACCTGATGGCTCCCTGCTAGTCCGCCAGAAGG

CAGGGGTCCAGGTGTGGCTTGGAGCCAATGGGAAGGTGGCTGTGATTGTGAGCAATGACCATGCTGGGAA  
 ACTGTGTGGGCCTGTGGAACTTTGACGGGGACCAGACCAATGATTGGCATGACTCCCAGGAGAAGCCA  
 CGCATGGAGAAATGGAGAGCGCAGGACTTCTCCCATGTTATGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC222632 representing NM\_003890  
 Red=Cloning site Green=Tags(s)

MGALWSWWILWAGATLLWGLTQEASVDLKNTGREEFLTAFLQNYQLAYS KAYPRLLISSLES PASVSIL  
 SQADNTSKKVTVRPGESVMVNI SAKAEMIGSKIFQHAVVIHSDYAI SVQALNAKPD TAE LTLRPIQALG  
 TEYFVLTPPGTSARNVKEFAVVAGAAGASVSVTLKGSVTFNGKFYPAGDVLRVTLQPYNVAQLQSSVDLS  
 GSKVTASSPVAVLSGHSCAQKHTTCNHVVEQLLPTSAWGTHTYVPTLASQSRYDLAFVVASQATKLTYNH  
 GGITGSRGLQAGDVVEFEVRPSWPLYLSANVGIQVLLFGTGAIRNEVYDPYLVLPDVAAYCPAYVVK  
 YPGCEGVALVVAQTKAISGLTIDGHAVGAKLTWEAVPGSEFSYAEVELGTADMIHTAEATNLGLLTFGL  
 AKAIGYATAADCGRVTLSPVEPSCEGMQCAAGQRCQVVGKAGCVAESTAVCRAQGDPHYTTFDGRRYDM  
 MGTCSYTMVELCSEDDTLPAFSVEAKNEHRGSRVSYVGLVTVRAYSHSVSLTRGEVGFVLDNQRSRLP  
 VSLSEGRLRVYQSGPRAVVELVFGLVVTYDWDQCQLALSLPARFQDQVCGLCGNYNGDPADDFLTPDGALA  
 PDAVEFASSWKLDDGDYLCEDGCQNNCPACTPGQAQHYEGDRLCGMLTKLDGPFVCHDTLDRPFLEQC  
 VYDL CVVGERLSL CRGLSAYAQA CLELGISVGDWRSPANCP LSCPANSRYELCGPACTSCNGAAAPSN  
 CSGRPCVEGCVCLPGFVASGGACVPASSCGCTFQGLQLAPGQEVWADELQRRCTCNGATHQVTCRDKQS  
 CPAGERCSVQNGLLGCYPDRFGTCQGSQDPHYVSFDGRRFDFMGTCTYLLVVGSCGQNAALPAFRVLVENE  
 HRGSQTVSYTRAVRVEARGVKVAVRREYPGQVLVDDVLQYLPFQAADGQVQVFRQGRDAVVRTDFGLTVT  
 YDWNARVTAKVPSYAEALCGLCGFNFGDPADDLALRGGGQAANALAFGNSWQEE TRPGCGATEPGDCPK  
 LDLSVAQQLQSKNECGILADPKGPFRECHSKLDPQAGVRCVYDRCLLPGQSGPLCDALATYAAACQAAG  
 ATVHPWRSEELCPLSCPPHSHYEA CSYGCLSCGDL PVPGGCGSECHEGCVCEGFALSGESCLPLASCG  
 CVHQGTYHPPGQTFYYPGPGCDLCHCQEGGLVSCSSSCGPHEACQPSGGSLGCVAVGSSTCQASGDPHY  
 TTFDGRRFDFMGT CVYVLAQT CGTRPGLHRF AVLQENVAWGNRVS VTRVITVQVANFTLRLEQRQWKVT  
 VNGVDMKLPVVLANGQIRASQHGSDVVIETDFGLRVAYDLVYYVVRTVPGNYQMCGLCGNYNGDPKDD  
 FQKPNGSQAGNANEF GNSWEEVVPDSPCLPPPTCPPGSEDCIPSHKCPPELEKKYQKEEFCGLLSSPTGP  
 LSSCHKLVDPQGPLKDCIFYLCLGGNLSILCSNIHAYVSACQAAGGHVGPWRTEFTCPMECPPNSHYEL  
 CADTCSL GCSAL SAPPQCQDGAEGCQCD SGFLYNGQACVPIQQCGCYHNGVYVEPEQTVLIDNCRQCT  
 CHAGKGMVCQEHSCKPGQVCQPSGGILSCVTKDPCHGVT CRPQETCKEQGGQVCLPNYEATCWLWGDPH  
 YHSFDGRKFDQGT CNYVLATTGCPGVSTQGLTPFTVTTKNQNRGNPAVS YVRVVTVAALGTNIS IHKDE  
 IGKVRVNGVLTALPVSADGRISVTQGASKALLVADFLQVSYDWNWRVDVTL PSSYHGAVCGLCGNMDR  
 NPNNDQVFPNGTLAPSIP IWGGSWRAPGWDPLCWDECRGSCPTCPEDRLEQYEGPGFCGLAPGTGGPFT  
 TCHAHVPPESFFKGCVL DVMGCGDRDILCKALASYAACQAAGVVI EDWRAQVGCEITCPENSHYEVCG  
 SPCPASCPSAPLTPPAVCEGPCVEGCQCDAGFVLSADRCVPLNNGCGCWANGTYHEAGSEFWADGTCSQ  
 WCRCGPGGSLVCTPASCGLGEVCGLLPSGQHGCQPVSTAECAWGDPHYVTLDGHRFDFQGTCEYLLSA  
 PCHGPPLGAENFTVTVANEHRGSQAVSYTRSVTLQIYNHSLTLSARWPRKLQVDGVFVTLPFQLDSSLHA  
 HLSGADVVTTSGLSLAFDGD SFVRLRVPAA YAGSLCGLCGNYNQDPADDL KAVGGKPAWQVGGAAQGC  
 GECVSKPCPSPTPEQQESFGPDACGVI SATDGPLAPCHGLVPPAQYFQGCLLDACQVQGHGGLCPAV  
 VTYVAACQAAGAQLREWRRPDFCPFCQPAHSHYELCGDSCPGSCPSL SAPEGCE SACREGCVCDAGFVLS  
 GDTCVVPGQCGCLHDDRYPLGQTFYYPGPGCDL CRCREGGEVSCEPSSCGPHETCRPSSGSLGCVAVGS  
 TTCQASGDPHYTTFDGRRFDFMGT CVYVLAQT CGTRPGLHRF AVLQENVAWGNRVS VTRVITVQVANFT  
 LRLEQRQWKVT VNGVDMKLPVVLANGQIRASQHGSDVVIETDFGLRVAYDLVYYVVRTVPGNYQMCGL  
 CGNYNGDPKDDFQKPNGSQAGNANEF GNSWEEVVPDSPCLPPPTCPPGSEDCIPSEECPELEKKYQKEE  
 FCGLLSSPTGPLSSCHKLVDPQGPLKDCIFDLCLGGNLSILCSNIHAYVSACQAAGGHVGPWRNETFCP  
 MECPQNSHYELCADTCSL GCSAL SAPLQCPDGCAEGCQCD SGFLYNGQACVPIQQCGCYHNGAYVEPEQ  
 VLIDNCRQCTCHAGKVVVCQEHSCKPGQVCQPSGGILSCVTKDPCHGVT CRPQETCKEQGGQVCLPNY  
 EATCWLWGDPHYHSFDGRKFDQGT CNYVLATTGCPGVSTQGLTPFTVTTKNQNRGNPAVS YVRVVTVA  
 ALGTNIS IHKDEIGKVRVNGVLTALPVSADGRISVAQGASKALLVADFLQVSYDWNWRVDVTL PSSYHG

AVCGLCGNMDRNPNDQVFPNGTLAPSIPIWGGSWRAPGWDPLCWDECRGSCPTCPEDRLEQYEGPGFCG  
 PLAPGTGGPFTTCHAHVPPESFFKGCVLDVCMGGGDHDLCKALASYVAACQAAGVVIEDWRAQVGCET  
 CPENSHYEVCGPPCPASCPSAPLTPAVCEGPCVEGCQCDAGFVLSADRCVPLNNGCGCWANGTYHEAG  
 SEFWADGTCSQWCRCGPGGGSLVCTPASCGLGEVCGLLPSGQHGCQPVSTAECQAWGDPHYVTLDGHRFD  
 FQGTCEYLLSAPCHGPPLGAENFTVTVANEHRGSQAVSYTRSVTLQIYNHSLTLSARWPRKLQVDGVFVT  
 LPFQLDSLHAHL SGADVVTSTTSGLSLAFDGD SFVRLRVPAAYAGSLCGLCGNYNQDPADDLKAVGGKP  
 AGWQVGGAQCGECVSKPCSPCTPEQQESFGGPDACGVISATDGPLAPCHGLVPPAQYFQGCLLDACQV  
 QGHPGGLCPAVATYVAACQAAGQLREWRPDPFCPFQCPAHSHYELCGDSCPGSCPSLSAPEGCESACRE  
 GCVCDAGFVLSGDTCPVPGQCGCLHDDRYPLGQTFYPGPGCDSLCRCREGGEVSCPESSCGPHETCRPS  
 GGLSGCVAVGSTTCQASGDPHYTTFDGRRFDFMGT CVYVLAQTCGTRPGLHRFAVLQENVAWGNRVSVT  
 RVITVQVANFTLRLEQRQWKVTVNGVDMKLPVVLANGQIRASQHGSDVVIETDFGLRVAYDLVYYVRVTV  
 PGNYYQLMCGLCGNYNGDPKDDFQKPNGSQAGNANEFGNSWEEVVPDSPCLPPPTCPPGSEGCIPSEEC  
 PELEKQYKEEFCGLLSSPTGPLSSCHKLVDQGPLKDCIFDLCLGGNLSILCSNIHAYVSACQAAGGH  
 VEPWRNETFCPMECPQNSHYELCADTCSLGSALAPLQCPDGCAEGCQCD SGFLYNGQACVPIQQCGCY  
 HNGVYYEPEQTVLIDNCRQOCTCHVGKVVVCQEHSCPKGQVCQPSGGILSCVKNKDPCHGVT CRPQETCKE  
 QGGQGVCLPNYEATCWLWGDPHYHSDGRKDFDQGT CNYVLATTGCPGVSTQGLTPFTVTTKNQNRGNPA  
 VSYVRVVTVAALGTNIS IHKDEIGKVRVNGVLTALPVSVDGRISVAQGASKALLVADFLQVSYDWNWR  
 VDVTLPSSYHGAVCGLCGNMDRNPNDQVFPNGTLAPSIPIWGGSWRAPGWDPLCWDECRGSCPTCPEDR  
 LEQYEGPGFCGLASGTGGPFTTCHAHVPPESFFKGCVLDVCMGGGDHDLCKALASYVAACQAAGVVIE  
 DWRAQVGCETCPENSHYEVCGPPCPASCPSAPLTPAVCEGPCVEGCQCDAGFVLSADRCVPLNNGCG  
 CWANGTYHEAGSEFWADGTCSQWCRCGPGGGSLVCTPASCGLGEVCGLLPSGQHSCQPVSTAECQAWGDP  
 HYVTLDGHRFDQGTCEYLLSAPCHGPPLGAENFTVTVANEHRGSQAVSYTRSVTLQIYNHSLTLSARWP  
 RKLQVDGVFVALPFQLDSLHAHL SGADVVTSTTSGLSLAFDGD SFVRLRVPAAYASL CGLCGNYNQDP  
 ADDLKAVGGKPAGWQVGGAQCGECVSKPCSPCTPEQQESFGGPDACGVISATDGPLAPCHGLVPPAQY  
 FQGCLLDACQVQGHPGGLCPAVATYVAACQAAGQLGEWRPDPFCPLQCPAHSHYELCGDSCPVSCPSLS  
 APEGCESACREGCVCDAGFVLSGDTCPVPGQCGCLHDGRYPLGEVFPYGPCECERRCECGPGGHVTCQEG  
 AACGPHEECRLEDGVQACHATGCGRCLANGGIHYITLDGRVYDLHGSCSYVLAQVCHPKPGDEDFSIVLE  
 KNAAGHLQRLLVTVAGQVSLAQGQVTV DGEAVALPVAVGRVVRTAEGRNMLVLTTKGLRLLFDGDAHL  
 LMSIPSPFRGRLCGLCGNFNGNWSDDFVLPNGSAASSVETFGAAWRVPGSSKGCGECCGPGQCPVCLAE  
 TAPYESNEACGQLRNPQGFATCQAVLSPSEYFRQC VYDLCAQKGDKAF LCRSLAAYTAACQAAGVAVKP  
 WRTDSFCPLHCPAHSHYSICTRTCQGS CAAL SGLTGCTTRCFEGCECDDRFLLSQGVCIPIVQDCGCTHNG  
 RYLPVNSSLLTSDC SERCS SSSSGLTCQAAGCPPGRVCEVKA EARNCWATRGLCVLSVGANLTTFDGAR  
 GATTSPGVYELSSRCPGLQNTIPWYRVVAEVQICHGKTEAVGQVHIFFDGMVTLTPNKGWVWNGLRVDL  
 PAEKLASVSVSRTPDGSLLVRQKAGVQVWLGANGKVAVIVSNDHAGKLCGACGNFDGDQTNWDHDSQEK  
 AMEKWRAQDFSPCYG

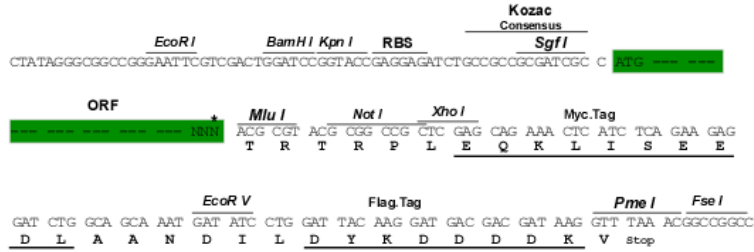
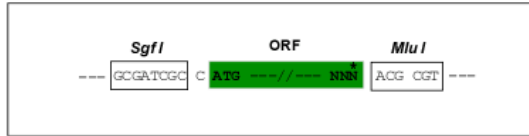
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

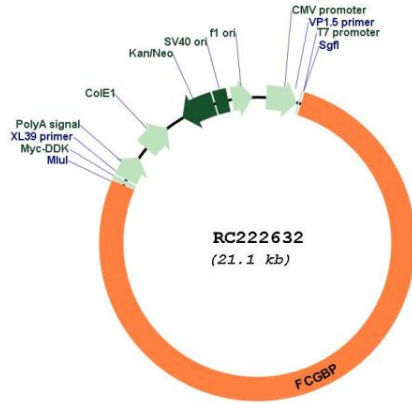
ACCN: NM\_003890

ORF Size: 16215 bp



<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_003890.1</a> , <a href="#">NP_003881.1</a>
<b>RefSeq Size:</b>	16382 bp
<b>RefSeq ORF:</b>	16218 bp
<b>Locus ID:</b>	8857
<b>UniProt ID:</b>	<a href="#">Q9Y6R7</a>
<b>Cytogenetics:</b>	19q13.2
<b>MW:</b>	571.8 kDa
<b>Gene Summary:</b>	May be involved in the maintenance of the mucosal structure as a gel-like component of the mucosa.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC222632