

Product datasheet for RC221787

ZAN (NM_173059) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZAN (NM_173059) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ZAN
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC221787 representing NM_173059
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTTCCCTCCAGTCTGGACTCTGCTGCTTCTGGTGGGGGCTGCCCTTTTCAGGAAAGAGAAGCCTCCGG
ACCAGAAGCTGGTTGTTTCGAGCTCTAGGGACAATATGTCCTCACCCAGTGTGATTTTGGAGATGACGC
CAAACCCCTCTGTGACTGGTCCCAAGTGTCCGAGACGATGAAGACTGGGTTTCGAGCCAGTGGGCCCTCT
CCCACCGGCTCCACCGGGCCCCCGGGGGTACCCTAACGGAGAGGGCAGCTATCTGCATATGGAATCGA
ACAGCTTCCACCGTGGGGGAGTGGCCCGCTGCTCAGCCCCGACCTATGGGAGCAAGGCCCTCTGTGT
GCACTTTGCCACCACATGTTCCGGGCTGTCTTGGGGCGCCAGCTCAGGCTGCTGCTCTCGGGTGA
GAGGGCCGCCGCCCGATGTGCTCTGGAACACTGGAACACCCAGAGACCCTCCTGGATGCTCACCACCG
TCACTGTGCCCGCAGGGTTCACCCTGCCACCCGGCTGATGTTTGGGGAAACACGGGGTAGCACTGCCTA
CCTGGACATCGCCCTGGATGCCCTCTCTATCCGCCGGGCTCCTGTAATCGCGTCTGTATGATGCAACA
TGCAGCTTTGACATTCAAATGACCTCTGTGACTGGACCTGGATCCCAACTGCCTCCGGGGCCAAGTGA
CTCAGAAGAAAGGTCATCAGGAAAGCCAGGCGTGGGGCTGATGGCGACTTCTCTAGCCCTGGTAGTGG
CTGCTACATGCTCCTGGACCCCAAGAATGCAAGACCTGGGCAGAAAGCTGCTCCTCCTGAGCCCCGTGAGC
CTGTCCCTCGGCTGTCTGAGCTTTTCTTCCACTACATCCTCCGGGGCCAGTCTCCTGGTGCAGCCCTCC
ACATTTATGCTTCAGTCTTGGGGAGTATCCGGAACACACTCTTCTCAGGACAACCTGGGCCAACTG
GCAGGCTGTTTCTGTCAATTACACAGCCGTGGGACGGATACAGTTTGGCGTGGTAGGCGTTTTTGGAAAG
ACCCAGAGCCAGCTGTGGCAGTTGATGCAACCAGCATTGCTCCTTGTGGGGAGGGTTTTCTCAGTGTG
ACTTTGAAGACAACGCCCATCCCTTCTGTGACTGGTCCAGACTTCCGGGGATGGTGGACACTGGGCCCT
CGGACATAAAAATGACCCGTCATGGCATGGGCCCTGCGGGAGGTTTCCCTAATGCAGGGGGTCACTAT
ATCTACCTTGGAGTGCAGGTTCTCCAGGCAGGCAGTCAGTCAGACTGGTGGAGCCCTTCTGCG
CCCCAGGTGACATCTGCGTGGAGTTCGCATACCACATGTATGGCCTTGGGGAGGGTACTATGCTCGAACT
CCTCCTGGGAAGTCTGCGGGGAGTCCCCGATTCTCTCTGGAACCGGTGGGGTCTCAGCGCCCTTAC
TGGCAGAACACCTCCGTCACCGTCCCCTCAGGACACCAACAGCCCATGCAGTTATTTTCAAGGGCATCC
AGGGAAGCAACACGGCTCTGTGGTTGCTATGGGTTTTCATCTTGTCAATCCTGGGACTGTCCAGTAA
AGTGCTACCAGAGCTTCTCCCGTATCTCCAGTTTCTTCCACTGGCCCTTCTGAAACCACTGGCCTCACA



[View online »](#)

GAAAACCTACAATCTCCACCAAGAAACCTACAGTTTCCATAGAAAAACCCAGTGTACCACAGAAAAGC
 CCACAGTCCCCAAAGAAAAGCCACCATTCCCACAGAAAAACCCACCATTCTCCACAGAAAAACCCACCAT
 TCCTTCAGAAAAACCAACATGCCCTCAGAAAAACCCACCATTCCCTCAGAAAAACCCACCATCTCACA
 GAAAAACCCACCATTCCCTCAGAAAAACCCACCATTCCCTCAGAAAAACCCACCATTTCCACAGAAAAAC
 CCACCGTCCCCACAGAAGAGCCACCACCCCACTGAGGAGACCACCCTCCATGGAAGAGCCTGTCTAT
 CCCTACAGAAAAACCCAGCATCCCTACAGAAAAACCCAGCATCCCCACGGAAAAACCCACCATCTCCATG
 GAAGAGACTATCATCTCCACAGAAAAACCCACCATTCTCCACAGAAAAACCCACCATCCCCACAGAAAAAC
 CCACCATCCCCACAGAAAAATCCACCATTCTCCACAGAAAAACCCACCACCCCCACAGAAAAACCCACCAT
 CCCCACAGAAAAACCCACCATTCTCCACAGAAAAACCCACCACCCCCACAGAAAAACCCACCATTCTCCCA
 GAAAAACTCACCATCCCCACAGAAAAACCCACCATCCCCACAGAAAAACCCACCATTCTCCACAGAAAAAC
 CCACCATCTCCACAGAAGAGCCACCACCCCACTGAGGAGACCACCATTCTCCACAGAAAAACCCAGCAT
 CCCCATGGAAAAACCCACTCTCCCACTGAAGAAACCACCCTCTGTTGAAGAGACTACCATCTCTACA
 GAAAAACTCACCATCCCCATGGAAAAACCCACCATTCTCCACAGAAAAACCCACCATCCCCACAGAAAAAC
 CCACCATCTCCACAGAAAAACTCACCATCCCCACGAAAAACTCACCATCCCCACGAAAAACCCACCAT
 CCCCATTGAAGAGACTACCATCTCCACAGAAAAACTCACCATCCCCACAGAAAAACCCACCATCTCCCA
 GAAAAACCCACCATTCTCCACGAAAAACCCACCATCCCCACGAAAAACCCACCATTCTCCCACTGAAGAGA
 CTACCATCTCCACAGAAAAACTCACCATCCCCACAGAAAAACCCACCATTCTCCACAGAAAAACTCACCAT
 CCCCACAGAAAAACCCACCATTCTCCACGAAAAACCCACCATCCCCACGAAAAACTTACCATCCCCACG
 GAAAAACCCACCATCCCCACAGAAAAACCCACCATTCTCCACAGAGAAGCTCACAGCCCTGAGGCCACCC
 ATCCCAGCCCCACAGCCACTGGGCTGGCAGCCTTGGTGATGTCTCCACATGCTCCAAGTACCCTATGAC
 CAGTGTGATTCTGGGCACTACCAACCTCCAGATCCAGTACAGAGCGCTGCCCTCCAAATGCCCGCTAC
 GAATCCTGTGCTTGTCTGCTTCGTGCAAGAGCCCAAGGCTAGCTGTGGGCCCTCTGTGGGAGGGCT
 GTGTCTGCAACCCTGGCTTTTTGTTTGTGACAACCCTGCATCCAGGCCCTTCTCTGCAATTTGTTCTA
 CAACAAGCACTACTATGAGCCTGGGGCAGAGTGGTTTACGCCCAACTGCACAGAACATTGCCGCTGTGG
 CCGGCAGTGGGTCGAGTGCCAGATCTCTCAGTGTGGGACACACCCGTGTGCCAGCTTAAAGATGGCC
 AGTATGGATGCCACCCCTACGCAGGCACTGCCACCTGCTTGGTCTACGGAGACCCTCATTATGTCACCTT
 TGACGGGAGGCACTTTGGCTTACGGGCAAGTGCACCTTACATCTTGGCCAGCCCTGTGGCAACTCAACA
 GACCCATTCTCAGGGTGACAGCCAAGAATGAGGAGCAGGGACAGGAAGGCGTGTCTGCCTGAGCAAAG
 TCTACGTGACCCCTGCCGAGAGCACCCTCACCCTGCTTAAAGGCGTCTTCTGGGTGCAAGCGGGCGGTTT
 GTGGAGCTGCAGACGGAGTTCCGGTTGCGGGTGAGATGGGATGGTGACCAGCAGCTGTATGTTACTGTG
 TCCAGCACATACTCTGGCAAACCTCTGTGGAACTATGACGGCAACAGTGACAATGACCACCTGAAGTTG
 GACGGCAGCCCAGGAGACAAGGAGGAGCTGGGGAACAGCTGGCAGACGGACCAGGACGAGGACCAGGAGT
 GTGAGAGTACCAGGTGGTGAATTTCCCGTCTTGTGATTCTCTCTGAGAGCAGCATGTCCGGGGCCAGGGT
 TCTGTGGACGGCTGGTGCACACTCATGGCCATTTGAGACATGCCTGTGCACGTGAAGGCCGCTTCTCT
 CTTGACAGCTGCATGCTTGATATGTGCGGATTCCAGGGGCTGCAGCACCTGTGTGCACACACATGTCC
 ACCATGACCACCCTGCCAGGACGCAGGCCACGCTGTGAAGCCCTGGAGGGAACCCACTTCTGCCCAA
 TGGCCTGCCGCCCAACAGCAAGTACTCCCTGTGTGCGAAGCCATGCCCTGACACCTGCCATTGAGGATT
 CTCCGGCATGTTCTGCTCAGACCGGTGCGTGGAGGCCTGTGAATGCAATCCGGGCTTCTGCTCAGTGGC
 CTCGAGTGCATACCTCGCTCCCAGTGTGGGTGCCTCCACCCTGCAGGCAGCTACTTCAAGGTAGGGGAGC
 GGTGGTACAAGCCAGGCTGCAAAGATTGTGCGTCTGTGAAAGCAACAACAGAATTGCTGCCAGCCCTG
 GAGGTGTAGGGCCAGGAGTTCTGTGGCCAACAGGATGGTATCTATGGCTGCCATGCCAAAGGTGCCGCC
 ACCTGCACAGCCTCGGGTGACCCCACTACCTGACCTTCGATGGCGCCTTGACCACTTCATGGGACCT
 GCACCTATGCTCTGACCCGCCCTTGTGGTCCAGGTCCCAAGACAGCTATTTTGTGTGAGCGCCACCAA
 CGAGAACCAGGGGGATCCTGGAGGTCTCTACATCAAAGCCGTCCAGTGACAGTCTTTGACCTCAGC
 ATCTACTGCTCAGAGGCTGTAAGGTCTGCTGAATGGCCATCGGGTGGCCCTACCTGTGTGGCTTGAC
 AAGCCGGGTGACCATAAGGCTCAGCAGCAACCTCGTCTCTCTACACGAACCTTGGGCTCCAAGTTG
 CTACGACGGGAGCCACTTGGTGAAGTGACAGTCCCCTCTCTATGGCGGCCAGCTCTGTGGGCTGTGT
 GGGAACTACAACAACAACAGCTTGGATGACAACCTGCGCCCCGACAGAAAGCTTGACAGGCGATTCCATGC
 AGCTGGGGGCCCTGGAAGTTACCTGAATCCTCTGAACCTGGCTGTTTCTTGTGGGTGGCAAGCCCTC
 CAGCTGCCAGGAGAACAGCATGGCAGACGCTGGAACAAGAAGTGTGCGATCTTAATAAACCCCTCAGGGA
 CCCTTCTCAATGTCACCAGGTGGTGCCTCCCCAGTCCAGCTTGGCAGTTGCGTGCATGGTCAAGTGTG

GGACCAAGGGCGACACCACAGCCCTGTGCCGCTCCCTGCAGGCCTACGCGTCCCTGTGTGCCCAGGCTGG
CCAGGCCCTGCCTGGCGGAACAGAACCTTCTGCCCTATGAGGTGCCACCTGGCAGCAGCTACAGCCCC
TGCAGCAGCCCCGCCCAGACACCTGCAGCAGCATAAACAACCCGAGGGACTGCCCAAAGCACTGCCCT
GTGCTGAGAGCTGTAATGTGAGAAAGGCCACATCTTGAGTGGAACCTCCTGCGTGCCCCCTGGCCAGTG
TGGCTGCACTGACCCAGCGGGCTCCTACCACCCGGTCGGGAGCGCTGGTACACAGAGAACACCTGCACC
AGGCTGACACCTGCTCCGTCCACAACAACATCACCTGCTTCCAGAGCACCTGCAAACCCAAACAGATAT
GCTGGGCCCTGGATGGGCTGCTCCGTTGTCGGGCTCAGGTGTGGGAGTGTGTCAGCTCCAGGGGAGTC
CCTACTAGTGAGCTTTGATGGTAGTAACCATCTATCCCGGACGCTGCACTCTTGCTCCTGGTAAAAGTG
TGCCACCCCGCCATGGCCTTGCCCTTCTCAAGATCAGTGCCAAGCATGAGAAGGAGGAAGTGGAACTG
AGGCTTCCGCTTTCATGAGGTCTACATTGACATCTACGATGCCCAGGTCACCCTGCAGAAGGGCCACCG
TGTGCTAATCAACAGCAAACAGGTCACCCTCCCGCCATCTCCAGATCCCTGGGGTCAAGTGTCAAGTCC
AGCAGCATCTACAGATTGTTAACATCAAGATCGGGTCAAGTCAAGTTTGACGGGAATCATCTCTTAG
AGATTGAAATCCCACAACCTACTATGGAAAGGTCTGCGGCATGTGTGGAACTCAATGATGAGGAAGA
GGACGAACTAATGATGCCAGCGATGAAGTAGCAAATAGTGACAGTGAATTTGTAACAGTTGAAAGAT
AAGGACATTGACCAAGTTGTCAGAGTCTCCTGGTAGATGAGCAGCAGATTCCAGCGGAACAGCAGGAGA
ACCCGAGTGAAACTGCAGGGCGCCGACCTCCGACGGGCGGGAAAAGTGCGAGGCAGCGCTCCGGGC
TCTGTGTGGGCCAGTGCAGCTCCCGCATAGACCTCACGCCCTTCTGGTGGACTGTGCAAACACCCCTC
TGTGAGTTCGGAGGTCTCTACCAGGCCCTTGCCAGGCTTGCAAGCCTTCCGGGCCACCTGCCAGAGCC
AGGGGCTCAAGCCCCACTCTGGAGAAACAGCAGCTTCTGCCCTTGAAATGCCCTGCCTACAGCAGCTA
CACCAACTGCCTCCCTCCTGCTCACCCCTGCTGGGACCTGGATGGCCGGTGTGAGGGCGCAAAGTC
CCCTCTGCCTGCGCTGAGGGCTGCATTTGTCAGCCCGCTATGTGCTGAGTGAAGACAAGTGTGTCCCA
GAAGTCAAGTGTGGTGAAGGATGCCCATGGTGGTCCATCCCTCTGGGAAGAGCTGGGTCTCCAGCGG
TTGCACGGAGAAGTGTGCTGCACGGGAGGACCAATTCAGTGGGGGACTTCCGATGCCCTCTGGGTCC
CACTGCCAGCTCACTTCCGACAACAGCAACAGCAATTGTGCTCAGACAAGTCTGAACAATGCTCAGTCT
ATGCGACCCCGTTACCTCACATTTGACGGCTTCAAGTACCCTGCAAGGCCGATGACCTATGTTCT
GATCAAGACTGTGGAGTACTGCCTGAGGGGTGGAGCCCTCCTCGTGAAGGACGCAACAAGTGGAT
CCGCCCAGGAGCTCCATCTTCTGCAGGAAGTATTACCACCGTCTACGGCTATAAAGTGCAGCTCCAAG
CTGGTCTGGAGCTTGTGGTCAACAACCAGAAGATGGCCGTCCCTACAGGCCAAATGAACACCTGCGGGT
CACCTGTGGGCCAACGGCTCTACCTGGTACCAGCTTTGAGCTGGTCGTGAGCTTTGGTGAAGGAAA
AATGCAGTGTCTCCCTACCCAGCATGTACGAGGGCTTGTGAGTGGCTGTGCGGAACTACGACAAGA
ACCGAAGAATGACATGATGCTGCCAGTGGCCCTGACCCAGAACCTCAACACCTTTGGCAACAGCTG
GGAGGTGAAGACCGAGGACGCACTCCTGCGCTTCCCAGGGCTATACCAGCGGAGGAGGAGGACAAGGG
GCGGAGCTGGGCTCCGACGGGCTCCAAGTGTCCGAATGTAGCCCGGAGCAGCTGGCGAGCAACAGCA
CCCAGGCTGTAGGGTGTGGCAGACCCCAAGGGCCCTTTGCTGCCTGTACCAGACGGTGGCCCCAGA
GCCCTTCAAGAGCACTGCGTGTGGATCTGTGCTCTGCTCAGGACCAAGAGAGCAAGAGGAGCTGCGT
TGCCAGGTCTCAGTGGGTACGCCATCTCTGCCAGGAGGCGGGCGCTGCCCTGGCTGGCTGGCGGGACC
GCACCTCTGCGAAAGCCGTGTCTGCAGAACCCTGTGAGAATGACGGGAGTGTGGGAGCAGGGAGC
CACCTTCACTGCGAGTGTGAAGTTGGTTACGGGGAGGCTGTGTATGGAGCTCGAGATGCCACCT
CCCAGAAAGCCAGCATCTAACCTGGTGGCCGCTCTACTGGGACTGTGCTGGTGCCTGTGGTGGTCTGACTAC
TGGCCGTGACCAGAGAGTGCATTTACAGAACGAGGAGGAAGAGAGAAAAACGCAGGAGGAGACAGACT
GGCCAGGCTGGTGGACACAGATACTGTTCTGGACTGTGCTGT

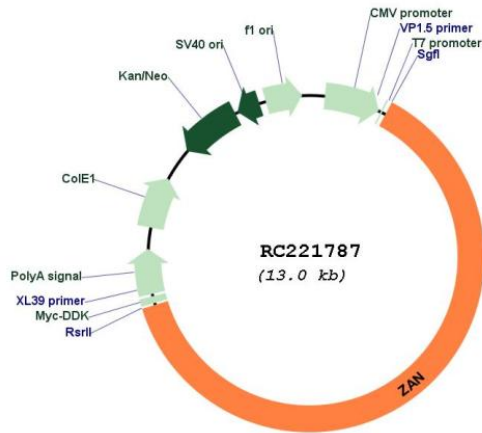
AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC221787 representing NM_173059
 Red=Cloning site Green=Tags(s)

MVPPVWTL LLLVGAALFRKEKPPDQKL VVRSSRDNYVL TQCDFEDDAKPLCDWSQVSADDEDWVRASGPS
 PTGSTGAPGGYPNGEGSYLHMESNSFHRGGVARLLSPDLWEQGPLCVHFAHMFGLSWGAQLRLLLLSGE
 EGRRPDVLWKHWNTQRPSWMLTTVTVPAGFTLPTRLMFEGRGTAAYLDIALDALSIIRRGSCNRVCMQMOT
 CSFDIPNDLCDWTWIPTASGAKWTQKKGSSGKPGVGPDPDFSSPGSGCYMLLDPKNARPQKAVLLSPVS
 LSSGCLSF SFHYILRGQSPGAALHIYASVLSIRKHTLFSGQPGPNWQAVSVNYTAVGRIQFAVVGVFVK
 TPEPAVAVDATSIAPCGEGFPQCDFEDNAHPFCDWVQTSGDGGHWALGHKNGPVGMPAGGFNPAGGHY
 IYLEADEF SQAGQSVRLVSRPFCAPGDCIEFAYHMYGLGEGTMELELLGSPAGSPPPIPLWKRVSQRPY
 WQNTSVTVPSGHQQPMQLIFKGIQGSNTASVVMAMGFILINPGTCPVKVLPPELPPVSPVSTGPESETTGLT
 ENPTISTKKPTVSIKPSVTTEKPTVPKEKPTIPTEKPTISTEKPTIPSEKPNMPSEKPTIPSEKPTILT
 EKPTIPSEKPTIPSEKPTISTEKPTVPTEEPTTPEETTTSMEEPVIPTKPSIPTEKPSIPTEKPTISM
 EETIISTEKPTISPEKPTIPTEKPTIPTEKSTISPEKPTTPEKPTIPTEKPTISPEKPTTPEKPTISP
 EKLTIPTEKPTIPTEKPTIPTEKPTISTEEPTTPEETIISTEKPSIPMEKPTLPEETTTTVEETTIST
 EKLTIPMEKPTISTEKPTIPTEKPTISPEKLTIPTEKLTIPTEKPTIPIEETIISTEKLTIPTEKPTISP
 EKPTISTEKPTIPTEKPTIPTEETIISTEKLTIPTEKPTISPEKLTIPTEKPTISTEKPTIPTEKLTIPT
 EKPTIPTEKPTIPTEKLTALRPPHPSPATGLAALVMSPHAPSTPMTSVILGTTTTSRSTERCPPNARY
 ESCACPASCKSPRPSGGLCREGVCVNPGLFSDNHCIQASSCNCFYNNDYEPGAEWFSPNCTEHCRCW
 PGRVCEQISQCGTHTVCQLKNGQYGCHPYAGTATCLVYGDPHYVTFDGRHFVGMGKCTYILAQPCGNST
 DPFVFRVAKNEEQQEGVSCLSKVYVTLPESTVLLKGRRTL VGGQVTLPAIPSKGVFLGASGRFVELQ
 TEFGLRVRWDGQQLYVTVSSTYSGKLCGLCGNYDGNNDHLKLDGSPAGDKEELGNSWQTDQEDQEC
 QKYQVNVNSPSCDSSLQSSMSGPGFCGRLLVDTHGPFETCLLHVKAASFDFSCMLDMCGFQGLQLLCTHMS
 TMTTTCQDAGHAVKWPREPFCPMACPPNSKYSLCAKPCPDTCHSGFSGMFCSDRCVEACECNPGFVLSG
 LECIPRSQCGCLHPAGSYFKVGERWYKPGCKELCVCESNNRIRCQPWRCRAQEFQCGQDGIYGHQAQGA
 TCTASGDPHYLTFDGLHFMGTCTYVLTTRPCWSRSQDSYFVVSATNENRGGILEVSYIKAVHVTDFDLS
 ISLLRGCKVMLNGHRVALPVWLAQGRVIRLSSNLVLLYTNFGLQVRYDGSVHLVEVTVPSYGGQLCGLC
 GNYNNNSLDDNLRPDRKLAGDSMQLGAAWKLPESSEPGCFVGGKPSQCENSMADAWNKNCAILINPQG
 PFSQCHQVVPQSSFASCVHGQCGTKGDTTALCRSLQAYASLCAQAGQAPAWNRRTFCPMRCPGSSYSP
 CSSPCPDTCSSINNPRDCPKALPCAESCECQKGHILSGTSCVPLGQCGCTDPAGSYHPVGERWYENTCT
 RLCTCSVHNNITCFQSTCKPNQICWALDGLLRCRASGVGVCQLPGESHVVSFDGNSHSPIDACTLVLVK
 CHPAMALPFKISAKHEKEEGTEAFRLHEVYIDIYDAQVTLQKGRVLIINSKQVTLPAISQIPGVSVKS
 SSIYSIVNIKIGVQVKFDGNHLEIEIPTTYGKVCGMCGNFDEEDELMMPSDEVANSSEFVNSWKD
 KDIDPSCQSLLVDEQQIPAEQQENPSGNCRAADLRAREKCEAALRAPVWAQCASRIDLTPFLVDCANTL
 CEFGGLYQALCQALQAFGATCQSQGLKPLWRNSSFCPLECPAYSSYTNCLPSCSPSCWDLDRCEGAKV
 PSACAEGCICQPGYVLSKDCVPRSQCGCKDAHGGSIPLGKSWVSSGCTEKCVCVGGAIQCGDFRCPSGS
 HCQLTSDNSNSNCVSDKSEQCSVYGDPRYLTFDGF SYRLQGRMTYVLIKTVLPEGVEPLLVEGRNKMD
 PPRSSIFLQEVITTVYGYKVLQAGLELVVNNQKMAVPYRPNHLRVTLWGQRLYLVTDFELVVSFGGRK
 NAVISLPSMYEGLVSGLCGNYDKNRKNDMMPLPSGALTQNLNTFGNSWEVKTEDALLRFPRAIPAEEEGQG
 AELGLRTGLQVSECSPEQLASNSTQACRVLADPQGPFAACHQTVAPEPFQEHCVLDLCSAQDPREQEELR
 CQVLSGYAILCQEAGAALAGWRDRTLCESPCLQNPCQNDGQCREQGATFTCECEVYGGGLCMEPRDAPP
 PRKPASNLVAVLLGLLVPVVVLLAVTRECIYRTRRREKTKQEGDRLARLVDTDTVLDCAC

SGP TRTRRL EQKL I SEEDLAAND I LDYKDDDDKV

Restriction Sites: SgfI-RsrII

Plasmid Map:


ACCN: NM_173059

ORF Size: 8163 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_173059.1](#), [NP_775082.1](#)

RefSeq Size: 8416 bp

RefSeq ORF: 8166 bp

Locus ID: 7455

UniProt ID: [Q9Y493](#)

Cytogenetics: 7q22.1

Protein Families: Druggable Genome, Transmembrane

MW: 295.3 kDa

Gene Summary: This gene encodes a protein that functions in the species specificity of sperm adhesion to the egg zona pellucida. The encoded protein is located in the acrosome and may be involved in signaling or gamete recognition. An allelic polymorphism in this gene results in both functional and frameshifted alleles; the reference genome represents the functional allele. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2015]