OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RR211385

Lyst (NM_053518) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lyst (NM_053518) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lyst
Synonyms:	Beige
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211385 representing NM_053518 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGCACGGACAGCAACTCATTGGCACGTGAGTTTCTGATCGATGTCAACCAGCTTTGCAATGCAGTGG TCCAGAGGGCAGAAGCCAGGGAAGAAGAAGAGGAGGAGACACATATGGCAACTCTTGGACAGTACCTTGT CCATGGACGAGGATTTCTGTTACTTACCAAACTAAATTCTATCATTTATCAGGCCCTGACATGCAGAGAA GAACTCCTGACTCTGCTTCTGTCTCTCCTTCCCTTGGTGTGGAAGATACCTGTCCAGGAACATCAGGCAA CAGATTTTTACCTGCCATTGTCATCTGATATAATCCTGTCCAAAGAAAAGAACTCAAGTTTGCAAAAATC AACTCAGGGAAAATTATATTTAGAAGGAAGTGCTCCAGCTAGTCAAGTTTCTGCATTAGTAAACCTTTTT CGAAAAATCAGGCGCCAGCGTAAAAGTACCCATCGCTATTCTGAAAGAGATGCAAGAAAGACACAGCTCT CCACCTCTGACTCCGAAGGCAACTCAGATGAAAGAAATACAGTTGTGCGTAAACACAGGAGGTTCCACAC GCTGCCACGGCTCTTGACAGAGTCTCCTAAGGAAGACCACTTTGTAGCCAAACTTGACCCCTCTGCAACC AAAGAACAGGTCCTTTCTGACACCATGTCTTTGGAAAACTCCAGAGAAGTCATTCTGAGACAGGATTCAA ATGGGGACATACTAAGTGAGCCAGCTGCCTTGTCTATTCTCAGTAACATGAATAATTCTCCCTTTGACTT GTGTCATGTTTTGTTATCTCTATTGGAAAAAGTTTGTAAGTTTGACATTGCTTTGAATCATAATTCTTCC CTAGCACTCAGTGTAGTACCCACACTGACTGAGTTCCTAGCAGGCTTTGGGGACTGCTGTAACCAGAGTG ACACTTTGGAAAGACAACTGGTTTCTGCAGGTTGGACCGAAGAGCCGGTAGCTTTGGTTCAACGGATGCT CTTTCGCACTGTGCTGCATCTTATGTCAGTAGACGTTAGCACTGCAGAGGCAATGCCAGAAAGTCTTAGG AAAAATCTGACTGAATTGCTTAGGGCAGCTTTAAAAATTAGAGCTTGCTTGGAAAAGCAGCCTGACCCTT TCTCACCGAGACAAAAGAAAACACTACAGGAGATCCAGGAGGGCTTTGTATTTTCCAAGTATCTCCATAG AGCCCTTCTTCTACCTGAGCTTCTGGAAGGAGTGCTACAGCTCCTCATCTCTTGTCTTCAGAGTGCAGCT TCAAATCCCTTTTACTTCAGTCAAGCCATGGATTTAGTTCAAGAATTTATCCAGCACCAGGGATTTAATC TGTTTGAAACAGCAGTTCTTCAGATGGAGTGGCTGCTTTCAAGGGATGCTGTTCCTTCAGAGGCCGCAGA ACATTTGAAAGCCGTGATAAACAGTGTAATAAAAATAATGAGTACTGTGAAAAAGGTGAAATCAGAGCAA CTTCATCATTCCATGTGCACAAGGAAAAGGCACCGGCGTTGTGAGTATTCCCACTTCATGCAGCACCACC

View online »

GAGATCTCTCAGGTCTCCTGGTTTCAGCTTTTAAAAATCAGCTTTCTGAAAGCCCTTTTGAAGAGACTGC
TGAGGGAGATGTGCAGTATCCAGAACGGTGCTGCTGCATCGCAGTGTGCGCTCACCAGTGCTTGCGCTTG
CTCCAGCAGGTTTCTCTGCAAACCACATGTATCCAGATCCTATCAGGTGTACACAGTGTTGGAATCTGTT
GTTGTATGGATCCTAAATCTGTGATTGTCCCTTTACTCCATGCTTTTAAATTGCCAGCACTGAAAAATTT
TCAGCAGCATATACTGAATGTCCTTAGCAAACTCCTTTTGGATCAGTTAGGAGGAGCAGAGATATCACAG
CAAATTAAAAAAGCCGCTTGCAACATCTGTACTGTGGACTCTGACCAACTGGCTAAGTTAGGGGAGACAC
TGCAAGGCACCTTGTGTGGTGCTGGTCCTTCCTGTGGCTTGCCCAGTCCTTCTTACAGATTTCAAGGGAT
CCTGCCAAGCAGCGGGTCTGAAGACTTCTTGTGGAAATGGGATGCTTTAGAGGCTTACCAGAACTTTATC
TTTCAAGAAGACAGATTACATAACACTCAGATTGCAAGTCACATTTGCAATTTAATCCAGAAAGGCAATG
TAATTGTTCAGTGGAAATTGTATAATTATATCTTTAATCCTGTGCTCCAAAGAGGAGTTGAATTAGTACA
TCATTGTCAACAGCTAAGCATTACTTCAGCTCAGACTCATATGTCTAGCCAACTGAAACAATATTTGCCT
CAGGAAGTGCTTCAAATTTATTTAAAAACTCTGCCCATCCTACTTAAATCCAGGGTAATAAGAGATTTGT
TTTTAAGTTGTAATGGAGTAAATCACATAATTGAATTAAATTACTTAGATGGGATTCGAAGTCATTCTCT
GAAAGCATTTGAAACTCTGATTGTCAGCCTAGGGGAACAACAGAAACGTGCTGCAGTTCCAGGCGTCGAT
GGGTTAGACATCCAGCAGGAGTTGTCATCCTTAAGTGTGGGTCCTTCTCTCCACAAGCAGCAAGCTTCTA
CAGATTCTCCTTGCAGTCTCAGGAAATTTTATGCCAGCCTCAGAGACACTGATCCAAAAAAACGGAAGAC
TGTTCACCAGGATGCTCACATAAACACCATAAACCTCTTCCTCTGTGTGGCTTTTCTATGTGTCAGTAAA
GAAGCGGACTCTGATAGGGAGTCTGCCAATGAGTCAGAAGATACTTCTGGCTATGACAGTACTGCCAGTG
AGCCATTAAGTCACATGCTGCCACGTCTGTCACTTGAGAATGTTGTCTTACCTTCCCCTGAATGTTTGCA
CCACGCAGCAGACATTTGGTCCATGTGTCGTTGGATCTACATGTTGAACTCAGTCTTCCAGAAACAATTT
CACAGACTTGGTGGTTTCCAAGTGTGCCATGAGTTAATATTTATGATAATCCAAAAACTGTTCAGAAGTC
ATACAGAGGATCAAGGAAGAAGGCAGGGAGAAATGAGTGTAAACAAAAACCAAGGGTTAATGAGAATATC
TCAACCTGAGATGATATTGAAGGAAGATGTATCATCTTCAACAGCACCAGAACCAGGATTTCTGAAAAAG
AGTGCTGACAGAGTGAGTGAATTAGAGTCACAGCATATGCTTCCCACAAGTGCAGAGCAGATTTTGGCTA
CTAAATCCATTCCGGGGGAAGCAAAGACATTTATGAATCAAGAAAGTGAGACCTGTCTCCAGAGCATAAG
ACTTTTGGAGTCTCTCCTGGCCATTTGTCTTCACAGTGCCAGAGCCAGTCAACAGAAGATGGAATTAGAG
CTGCCTTCTCAGAGCTTGTCTCTGGAAAATATATTGTGTGAACTGAGGGACCACCTTTCCCAGTCAAAGG
TGGCAGAAACAGAATTAGCAAAGCCTTTATTTGATGCCCTGCTTCGAGTAGCCCTGGGGAATCATTCAGC
AGATTTGGATCCTGGTGATACTGTGACTGAAAAGAGTCATCCCTCTGAAGAAGTGTTGTCCCAGCCTGGA
GATTTTTCAGAAGAAGCTGAGGATTCTCAGTGTTGTAGTTTGAAACTTCTGGGTGAGGAAGAAGGTTATG
AAGCAGATAGTGAAAGCAATCCTGAGGATGGTGAGACCCAAGATGATGGAGTAGAATTACCTGAAGCAGA
AGGTTTCAGTGGATCAATTGTTCCAAACAACTTACTTGAAAGCCTCACTCATGGGGAAATAATATACCCT
GAGATTTGCATTCTGGGATTAAATTTGCTTTCTGGTAGCAAAGCTAAACTTGATGTGCTTGCTCATGTGT
TTGAGAGCTTTCTGAAAATTGCCAGGCAGAAGGAAAAAAACATTTCTCTGCTCATGCAACAGGGAACTGT
GAAAATCCTTCTAGGAGGGTTCTTGAATGTTTTAACACAAACTAACTCTGATTTCCAAGCATGCCAGAGA
GTATTGGTGGATCTCTTGGTATCTTTGATGAGTTCAAGAATGTCCTCAGAAGACTTAACCCTTCTTTTGA
GAATATTTCTGGAGAAATCTCCTTGTACAGAAATTCTTCTCCATGGTATTCAGAAAATTGTTGAAAGTGA
TTTTACTATGAGCCCTTCACAGTATCTGACCTTCCCTTTGCTGCATACCCCAAGTTTAAGCAATGGTGTC
TCATCACAAAAGCCTCCTGGGATTCTTAACAGTAAAGCCTTAGGCTTGCTGAGAAGAGCACGGATTTCCC
GAGGCAAGAAAGAGGCTGATAGAGAGAGTTTTCCCTATAGGCTGCTTTCTTCCTGGGACATAGCCCCAAT
CCACTTGCCATGGCTGGGGCAGAACTGCTGGCCACACCTGTCAGAAGGATTTAGTGTTTCTCTGTGGTTT
AATGTGGAATATATCCATGAATCCGAGAGTGCTGCCGAAAGAGGAAAGAAAGTAAAGAAAAGAAACAAAC
CATCAGTTCTAGAAGACAGCAGTTTTGAAAGAGCAGAAGGTGATAGACCAGAAGTTACAGAATCCATCAG
TCCTAGTGACAGACTCATAGAAGATGGCTGTATTCACTTGATTTCATTGGGATCCAAAGCATTGATGATC
CAAGTGTGGGCTGATCCTCATAGTGGCACTTTTATCTTTCGTGTGTGCGTGGATTCAAATGATGATATGA
AAGCTGTTACATTAGCACAGGTGGAATCACAGGAGAACATTTTCTTTCCAAGCTCATGGCAGCACTTAAT
ACTTACCTATATTCAGCATCCTCAAGGGAAAAAGAATGTCCATGGGGAAATCTCGATATGGGTGTCTGGG
CAGAGGAAGACTGATGTCATCTTGGATTTTGTACTACCAAGAAAAACAAGCTTATCATCAGACAGCAATA
AAACGTTTTGCATGATTGGCCATTGCTTAACATCCCAAGAAGAGTTTCTTCAATTAGCTGGAAAATGGGA
CCTTGGCAACTTGCTCCTCTTCAATGGAGCTAAAATTGGCTCACAGGAGGCCTTTTACCTGTATGCTTGT
GGACCCAACTACACATCCATAATGCCGTGTAAATATGGCAAGCCAGTGGTTGACTACTCCAAATATATTA
ATAAAGAAATTTTGAGATGTGATGAAATCAGAGACCTTTTTATGACTAAGAAAGATGTGGATGTTGGACT

CTTAATTGAAAGTCTTTCAGTTGTTTATACAACTTACTGTCCTGCTCAGTACACCATCTATGAACCTGTG
ATTCGACTCAAGGGCCAAGTGAAAACTCAGCTGTCTCAAAGACCCTTCAGTTCAAAGGAAGCCCAGAGCA
TCTTGCTAGAACCTTCTCAACTCAAAAGCCTCCAGCCTACAGAATGTAAAACCATCCAGGGCATTCTGCA
TGAGATTGGTGGGGCTGGTATATTTGTTTTTCTCTTTGCTAGGGTTGTTGAACTTAGTAGCTGTGAAGAA
ACTCAAGCATTAGCACTGCGGGTTATACTGTCTTTAATTAAGTACAGCCAACAGAGAACACATGAACTGG
AAAATTGTAATGGACTTTCTATGATTCACCAAGTATTGGTCAAACAGAAATGCGTTGTTGGCTTTCACAT
TTTAAAGACCCTTCTTGAAGGTTGCTGTGGTGAAGAAGTTATCTTCGTCAATGAGCATGGAGAGTTCAAG
TTGGATGTTGAATCTCATGCTATAATCCAAGATGTTAAACTGTTGCAGGAACTGTTGCTTGACTGGAAGA
TATGGAATAAGGCAGAGCAAGGCGTGTGGGAGACTCTGCTGGCAGCTCTGGAAGTCCTCATCCGGGTAGA
GCACCAGCAGCAGCAGTTTAATATTACGCAGTTGCTGAACGCCCGTGTCGTTCACCACTTCCTACTGACC
TGTCAGGTTTTACAGGAACACAGAGAGGGGCAGCTTACATCAATGCCCCGAGAAGTTTGCAGATCGTTTG
TGAAAATTATTGCAGAAGTCCTTGGTTCTCCTCCAGACTTGGAATTATTGTCAGTTATCTTCAATTTCCT
GTTAGCAGTACACCCTCCTACTAATACTTATGTTTGTCACAACCCTGCAAACTTCAACTTCTCTTTGCAC
ATAGATGGCAAGATCTTTCATGAGAAAGTGCGGTCAATCATGTACCTGAGGCATTCTAGCAGTGGAGGGC
AATCCTTTCCCAGCCCTGGGTTTATGGTAATAAGCCCGTCTGCCTTTACTGCATCTCCTCCTGAAGGAAC
CAGTTCTTCCAATATTGTTCCACAGAGGATGGCTGCCCAGATGGTACGATCTAGAAGTCTACCAGCATTT
CCTACTTATTCACCACTAATGCAAGCACAAAAACTGGCGGGAAGTTTGGTCTTTAGTGTTGACAAGTTAC
AAAATATTGCAGATGCCAGCCCAGAGAAACGGAATCCTTTAGGCAGTCCCTACACATTGAAAAAAAGCAA
AGAGGAAGCATTCATTAGTAGCTGTGAGTCTGCAAAAACTGTTTGTGAAATGGAGGCATTTCTTGCAGCC
CAGGCCTCTGCCAATGGGGTCTCCAGAGGTTCACTGAGGTTTCCCATGGCCAGAATAGATCACAAAGACT
GGGGCACTGAGCACAGGTCATATGATGACAGTCCTGGGGATGAGTCTTACCCACGTCGGCCTGACGACCT
CAAGGGACTGGCCTCATTCCAGCGAAGCCACAGCACTATTGCGAGCCTTGGACTTGCATTTCCCTCCCAG
AATGGATCTGCAGTTGCTAGCAGATGGCCGAGTCTTGTTGATAGGAATGCTGATGATTGGGAAAACTTTA
CCTTTTCTCCTGCTTATGAGGCAAACTACAACCGAGCTACAAGCACCCACAGTGCCATTGAAGACTGTTT
GATACCTATCTGCTGTGGATTTTATGAACTCCTAAGTGGGGTTCTTCTTGTTCTGCCTGATGCTATGCTT
GAAGATGTGATGGACAGGATTATTCAAGCAGATATTCTTCTAGTCCTTGTTAACCACCCATCACCTGCTA
TCCAGCAAGGAGTAATTAAACTGTTACAAGCATACATTAATAGAGCATCAAAGGAACAAAAGGACAAGTT
TCTGAAGAACCGTGGCTTTTCCTTACTAGCCAACCAGTTGTATCTTCACAGGGGAACTCAGGAGTTGTTG
GAGTGCTTCATTGAAATGTTCTTTGGTCGGCCATTTGGCCTGGATGAAGAATTTGATCTGGATGAAATGA
AACACATGGAACTGTTCCAGAAGTGGTCTGTCATTCCAATTCTGGGACTAATAGAGACCTCTCTCTATGA
CAATATACTCTTGCACAATTCTCTTTTACTTCTTCTGCAAGTTTTAAACTCTTGTTCCAAGGTAGCAGAC
ATGCTGCTAGACAATGGACTGCTCTATGTGTTATGTAATACAGTAGCAGCCCTGAATGGATTAGAAAAGA
ACATTCCTTTGAATGAATTCAGATTGCTCGCATGCGATATACAGCAACTTTTCATAGCGGTTACAATCCA
CGCTTGCAGTTCTTCGGGCTCACAGTATTTTAGAGTTATCGAAGACCCCATTGTACTTATTGGAGATCTT
CATAATAGCAAAAATAAGAGGACACAAAATATGGCTTTGGCCCTGCAGCTTAGAGTTCTCCAGGCTGCTT
TGGAATTTATAAGGAGCACAGCCAATCACGACTCTGAAAGTCCCTTAGATGCAGTGCAGTCGCCTTCTGC
CTACCACCATTCAGTGCCTCAGAAGAGGAGAAGCATTGCTGGTCCTCGCAAATTCCCCCTGGCTCAGACA
GAGTCCCTCCTGATGAAGATGCGCTCGGTGGCCAGTGATGAGCTGCACTCTATGATGCAGAGGAGGATGA
GCCAGGAGCACCCCAGCCAGGCCTCAGAGGCAGAGCTCGCCCAGCGGCTGCAGAGGCTCACCATCTTAGC
TGTGAACAGGATCATTTACCAAGAGTTGAATTCAGATATTATTGACATTTTGAGAACTCCAGAAAATACA
TCCCAAAGCAAGACCTCAGTGTCCCAGACTGAAACTTCTGAAGAAGATGTGCATTATGAGCAACCTTCTG
TATCCAATCCATTCCAAAAAGAAATGTTCACATATCTGTTGGATGGTTTCAAAATATCTATTGGTTCAAG
TAAAACTGGCACTTCTAAGCAGCAGTGGACTAAAATTTTGGGGTCTTCTAAAGAAACCTTACGAGTCCAG
CTTGGAAGATTGCTAGCACATATTTTGTCACCAACCCACACTGTACAAGAAAGGAAGCAGATACTTGAGA
TAGTCCATGAACCAGCTCATCAGGATATACTTCGTGACTGTCTCAGCCCCTCCCCACAACATGGAGCCAA
GTTGGTTTTGTATTTGTCAGAGCTGATACATAACCATCAAGATGAGTTAAATGAAGTAGAAATGGACACA
GCAGAACTGCTTATGAATGCTCTAAAGTTATGTGGCCACAAGTGCGTCCCTCCCAGTGCCCCTTCCAAAC
CAGAGCTCATTAAGATTATCAAAGAGGAGCAAAAGAAATATGACAGTGAAGAGAGTGTGAGTAAAGTTGC
GTGGCAGAAGACAGTGAGCAACAACCAGCAGAGTCTCTTCCAGAGGCTCGATTTAAAATCCAAGGATATA
TCTAAAATAGCTGCAGATATCACCCAGGCTGTATCTCTTTCCCAAGGACTTGAAAGGAAAAAAGTGATTC
AGCACATCAGAGGGATGTACAAAGTCGACCTGAGTGCCAGCAGACACTGGCAGGAACTCATCCAGCAGCT
GACACATGACAGAGCAGTCTGGTATGACCCAATCTACTATCCAACTTCATGGCAGTTGGATCCAACAGAA

GGGCCAAACCGAGAGAGGAGACGTTTGCAAAGATGCTATTTAACTATTCCAAATAAGTATCTCCTTAGGG
ACAGACAAAAGTCGGAAGGTGTGCTCAAGCCACCACTCTCTTACCTTTTTGAAGATAAAACTCATTCTTC
TTTCTCCTCTACTGTCAAAGACAAAGCTGCAAGTGAATCCAACAGAGTGAATCGAAGATGTATCAGTGTT
GCACCATCTAGAGAGACAGCTGGGGAACTGTTGTTAGGTAAATGTGGAATGTATTTTGTGGAAGACAATG
CCTCGGATACAGTTGAAAGTTCGAGCCTTCAAGGGGAGTTAGAACCAGCATCATTTTCTTGGACGTATGA
GGAAATTAAAGAAATTCATAGGCGCTGGTGGCAGCTGAGAGATAATGCTGTAGAAATCTTTTTAACAAAT
GGCAGAACACTCCTCTTGGCATTTGACAATACCAAGGTTCGTGATGATGTCTACCAGAGCATTCTCACAA
ATAACCTTCCAAGTCTTCTGGAGTATGGCAACATCACTGCTCTGACAAACCTGTGGTACACTGGACAAAT
TACCAATTTTGAATATTTGACTCATTTAAACAAGCACGCGGGCCGATCCTTCAATGATCTCATGCAGTAT
CCGGTGTTCCCCTTCATTCTCTCTGACTATGTTAGTGAAACTCTTGACCTCAATGATCCATCTATCTATA
GAAACCTATCTAAGCCTATAGCTGTGCAGTATAAAGAAAAAGAAGACCGTTACGTTGACACATACAAGTA
CTTGGAGGAGGAGTTCCGCAAAGGAGCCCGAGAGGATGACCCCATGCCTCCTGTGCAGCCCTACCACTAT
GGCTCCCACTACTCCAACAGTGGCACCGTGCTCCATTTCCTGGTCAGAATGCCTCCTTTCACTAAAATGT
TTCTAGCCTATCAAGATCAGAGTTTTGACATTCCAGACAGAACTTTTCATTCTACAAACACAACTTGGCG
CCTCTCATCCTTTGAATCCATGACTGATGTGAAGGAGCTGATTCCCGAGTTTTTCTATCTTCCTGAGTTC
TTAGTGAACCGTGAAGGTTTTGACTTCGGTGTTCGTCAGAATGGTGAACGGGTTAACCACGTCAACCTTC
CTCCCTGGGCACGCAACGATCCTCGGCTGTTCATCCTTATTCACCGGCAGGCACTAGAATCTGACCATGT
GTCCCAGAACATCTGTCACTGGATTGACTTAGTGTTTGGCTACAAGCAAAAGGGAAAGGCATCTGTTCAA
GCCATCAATGTTTTCCACCCTGCCACATATTTTGGAATGGATGTCTCTGCAGTTGAAGATCCAGTGCAGA
GACGTGCTTTAGAAACCATGATAAAAACCTACGGGCAGACCCCACGTCAGTTGTTCCACACAGCCCATGC
CAGCCGACCTGGAGCCAAGCTCAACATTGAAGGAGAGCTCCCAGCAGCTGTTGGCTTGTTAGTACAATTT
GCTTTCAGAGAGACCCGAGAACCAATCAAGGAGATCACTTATCCGAGCCCTTTGTCATGGATAAAAGGCT
TGAAGTGGGGAGAGTACGTAGGTTCCCCCAGTGCTCCAGTGCCTGTGGTATGCTTCAGCCAGCCCCATGG
AGAAAGATTCGGTTCCCTACAGGCACTGCCCACCAGAGCCATCTGTGGTTTATCCCAAAACTTCTGTCTT
CTGATGACCTACAGCAAGGAACAAGGTGTAAGAAGCATGAACAACACAGACATTCAGTGGTCTGCTATCC
TAAGCTGGGGATATGCTGACAACATCTTACGGTTGAAAAGTAAGCAGAGTGAGCCACCAATCAACTTCAT
ACAGAGTTCACAGCAGCACCAGGTGACCAGTTGTGCCTGGGTGCCTGACAGTTGTCAGCTCTTCACTGGG
AGCAAGTGTGGTGTCATCACAGCCTATACCAACAGGTTCACAAGCGGCACGCCCTCAGAAATTGAAATGG
AGAGTCAGATGCATCTCTATGGACACACAGAAGAGATAACCAGCTTATGTGTCTGCAAGCCTTATAGCGT
GATGATAAGCGTGAGCAGAGATGGGACCTGCATTGTATGGGACCTGAACAGGCTATGCTATGTACAAAGT
TTGGCCGGACACAAAAACCCTGTGACGGCTGTCTCTGCCAGTGAAACGTCAGGTGACATTGCTACTGTGT
GTGACTCAGCTGGAGGGGGCAGTGACCTGAGACTCTGGACAGTGAATGGGGACCTCGTTGGACATGTCCA
CTGCAGAGAGATCATTTGTTCTGTAGCTTTCTCCAACCAGCCTGAGGGTGTCTCCATCAATGTCATTGCG
GGAGGATTAGAAAATGGCATTGTAAGGTTGTGGAGCACATGGGACTTGAAGCCTGTGAGAGAAATTACAT
TTCCCAAATCAAACAAGCCCATCATAAGCCTGACATTTTCTTGCGATGGCCACCATTTGTACACTGCCAA
CAGTGACGGGACAGTGATTGCATGGTGCCGGAAGGACCAGCAGCGTGTGAAGCAGCCCATGTTCTACTCT
TTCCTCAGCAGCTACGCAGCTGGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211385 representing NM_053518
Red=Cloning site Green=Tags(s)

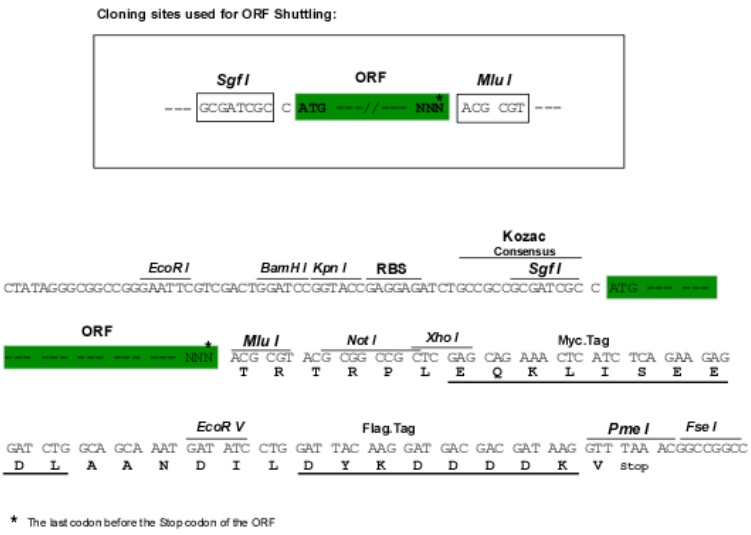
MSTDSNSLAREFLIDVNQLCNAVVQRAEAREEEEEETHMATLGQYLVHGRGFLLLTKLNSIIYQALTCRE
ELLTLLLSLLPLVWKIPVQEHQATDFYLPLSSDIILSKEKNSSLQKSTQGKLYLEGSAPASQVSALVNLF
RKIRRQRKSTHRYSERDARKTQLSTSDSEGNSDERNTVVRKHRRFHTLPRLLTESPKEDHFVAKLDPSAT
KEQVLSDTMSLENSREVILRQDSNGDILSEPAALSILSNMNNSPFDLCHVLLSLLEKVCKFDIALNHNSS
LALSVVPTLTEFLAGFGDCCNQSDTLERQLVSAGWTEEPVALVQRMLFRTVLHLMSVDVSTAEAMPESLR
KNLTELLRAALKIRACLEKQPDPFSPRQKKTLQEIQEGFVFSKYLHRALLLPELLEGVLQLLISCLQSAA
SNPFYFSQAMDLVQEFIQHQGFNLFETAVLQMEWLLSRDAVPSEAAEHLKAVINSVIKIMSTVKKVKSEQ
LHHSMCTRKRHRRCEYSHFMQHHRDLSGLLVSAFKNQLSESPFEETAEGDVQYPERCCCIAVCAHQCLRL
LQQVSLQTTCIQILSGVHSVGICCCMDPKSVIVPLLHAFKLPALKNFQQHILNVLSKLLLDQLGGAEISQ

QIKKAACNICTVDSDQLAKLGETLQGTLCGAGPSCGLPSPSYRFQGILPSSGSEDFLWKWDALEAYQNFI
FQEDRLHNTQIASHICNLIQKGNVIVQWKLYNYIFNPVLQRGVELVHHCQQLSITSAQTHMSSQLKQYLP
QEVLQIYLKTLPILLKSRVIRDLFLSCNGVNHIIELNYLDGIRSHSLKAFETLIVSLGEQQKRAAVPGVD
GLDIQQELSSLSVGPSLHKQQASTDSPCSLRKFYASLRDTDPKKRKTVHQDAHINTINLFLCVAFLCVSK
EADSDRESANESEDTSGYDSTASEPLSHMLPRLSLENVVLPSPECLHHAADIWSMCRWIYMLNSVFQKQF
HRLGGFQVCHELIFMIIQKLFRSHTEDQGRRQGEMSVNKNQGLMRISQPEMILKEDVSSSTAPEPGFLKK
SADRVSELESQHMLPTSAEQILATKSIPGEAKTFMNQESETCLQSIRLLESLLAICLHSARASQQKMELE
LPSQSLSLENILCELRDHLSQSKVAETELAKPLFDALLRVALGNHSADLDPGDTVTEKSHPSEEVLSQPG
DFSEEAEDSQCCSLKLLGEEEGYEADSESNPEDGETQDDGVELPEAEGFSGSIVPNNLLESLTHGEIIYP
EICILGLNLLSGSKAKLDVLAHVFESFLKIARQKEKNISLLMQQGTVKILLGGFLNVLTQTNSDFQACQR
VLVDLLVSLMSSRMSSEDLTLLLRIFLEKSPCTEILLHGIQKIVESDFTMSPSQYLTFPLLHTPSLSNGV
SSQKPPGILNSKALGLLRRARISRGKKEADRESFPYRLLSSWDIAPIHLPWLGQNCWPHLSEGFSVSLWF
NVEYIHESESAAERGKKVKKRNKPSVLEDSSFERAEGDRPEVTESISPSDRLIEDGCIHLISLGSKALMI
QVWADPHSGTFIFRVCVDSNDDMKAVTLAQVESQENIFFPSSWQHLILTYIQHPQGKKNVHGEISIWVSG
QRKTDVILDFVLPRKTSLSSDSNKTFCMIGHCLTSQEEFLQLAGKWDLGNLLLFNGAKIGSQEAFYLYAC
GPNYTSIMPCKYGKPVVDYSKYINKEILRCDEIRDLFMTKKDVDVGLLIESLSVVYTTYCPAQYTIYEPV
IRLKGQVKTQLSQRPFSSKEAQSILLEPSQLKSLQPTECKTIQGILHEIGGAGIFVFLFARVVELSSCEE
TQALALRVILSLIKYSQQRTHELENCNGLSMIHQVLVKQKCVVGFHILKTLLEGCCGEEVIFVNEHGEFK
LDVESHAIIQDVKLLQELLLDWKIWNKAEQGVWETLLAALEVLIRVEHQQQQFNITQLLNARVVHHFLLT
CQVLQEHREGQLTSMPREVCRSFVKIIAEVLGSPPDLELLSVIFNFLLAVHPPTNTYVCHNPANFNFSLH
IDGKIFHEKVRSIMYLRHSSSGGQSFPSPGFMVISPSAFTASPPEGTSSSNIVPQRMAAQMVRSRSLPAF
PTYSPLMQAQKLAGSLVFSVDKLQNIADASPEKRNPLGSPYTLKKSKEEAFISSCESAKTVCEMEAFLAA
QASANGVSRGSLRFPMARIDHKDWGTEHRSYDDSPGDESYPRRPDDLKGLASFQRSHSTIASLGLAFPSQ
NGSAVASRWPSLVDRNADDWENFTFSPAYEANYNRATSTHSAIEDCLIPICCGFYELLSGVLLVLPDAML
EDVMDRIIQADILLVLVNHPSPAIQQGVIKLLQAYINRASKEQKDKFLKNRGFSLLANQLYLHRGTQELL
ECFIEMFFGRPFGLDEEFDLDEMKHMELFQKWSVIPILGLIETSLYDNILLHNSLLLLLQVLNSCSKVAD
MLLDNGLLYVLCNTVAALNGLEKNIPLNEFRLLACDIQQLFIAVTIHACSSSGSQYFRVIEDPIVLIGDL
HNSKNKRTQNMALALQLRVLQAALEFIRSTANHDSESPLDAVQSPSAYHHSVPQKRRSIAGPRKFPLAQT
ESLLMKMRSVASDELHSMMQRRMSQEHPSQASEAELAQRLQRLTILAVNRIIYQELNSDIIDILRTPENT
SQSKTSVSQTETSEEDVHYEQPSVSNPFQKEMFTYLLDGFKISIGSSKTGTSKQQWTKILGSSKETLRVQ
LGRLLAHILSPTHTVQERKQILEIVHEPAHQDILRDCLSPSPQHGAKLVLYLSELIHNHQDELNEVEMDT
AELLMNALKLCGHKCVPPSAPSKPELIKIIKEEQKKYDSEESVSKVAWQKTVSNNQQSLFQRLDLKSKDI
SKIAADITQAVSLSQGLERKKVIQHIRGMYKVDLSASRHWQELIQQLTHDRAVWYDPIYYPTSWQLDPTE
GPNRERRRLQRCYLTIPNKYLLRDRQKSEGVLKPPLSYLFEDKTHSSFSSTVKDKAASESNRVNRRCISV
APSRETAGELLLGKCGMYFVEDNASDTVESSSLQGELEPASFSWTYEEIKEIHRRWWQLRDNAVEIFLTN
GRTLLLAFDNTKVRDDVYQSILTNNLPSLLEYGNITALTNLWYTGQITNFEYLTHLNKHAGRSFNDLMQY
PVFPFILSDYVSETLDLNDPSIYRNLSKPIAVQYKEKEDRYVDTYKYLEEEFRKGAREDDPMPPVQPYHY
GSHYSNSGTVLHFLVRMPPFTKMFLAYQDQSFDIPDRTFHSTNTTWRLSSFESMTDVKELIPEFFYLPEF
LVNREGFDFGVRQNGERVNHVNLPPWARNDPRLFILIHRQALESDHVSQNICHWIDLVFGYKQKGKASVQ
AINVFHPATYFGMDVSAVEDPVQRRALETMIKTYGQTPRQLFHTAHASRPGAKLNIEGELPAAVGLLVQF
AFRETREPIKEITYPSPLSWIKGLKWGEYVGSPSAPVPVVCFSQPHGERFGSLQALPTRAICGLSQNFCL
LMTYSKEQGVRSMNNTDIQWSAILSWGYADNILRLKSKQSEPPINFIQSSQQHQVTSCAWVPDSCQLFTG
SKCGVITAYTNRFTSGTPSEIEMESQMHLYGHTEEITSLCVCKPYSVMISVSRDGTCIVWDLNRLCYVQS
LAGHKNPVTAVSASETSGDIATVCDSAGGGSDLRLWTVNGDLVGHVHCREIICSVAFSNQPEGVSINVIA
GGLENGIVRLWSTWDLKPVREITFPKSNKPIISLTFSCDGHHLYTANSDGTVIAWCRKDQQRVKQPMFYS
FLSSYAAG

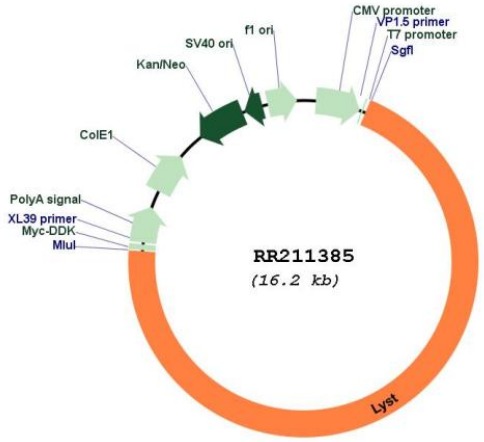
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053518

ORF Size: 11364 bp

OTI Disclaimer:	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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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_053518.1, NP_445970.1
RefSeq Size:	11367 bp
RefSeq ORF:	11367 bp
Locus ID:	85419
Cytogenetics:	17q12.3
MW:	426.6 kDa
Gene Summary:	gene deletion is associated with the beige mutant, a model for human Chediak-Higashi syndrome [RGD, Feb 2006]