

Product datasheet for **RR209558**

Eif5 (NM_020075) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eif5 (NM_020075) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Eif5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209558 representing NM_020075
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGTCAACGTCAACCCGACGCTGTCAGACCAGTTCTATCGCTACAAGATGCCCCGTTTGATTGCTA
AGGTTGAGGGCAAAGGAAATGGAATCAAGACAGTTATAGTCAACATGGTTGACGTTGCAAAGGCCGCTTAA
TCGGCCTCCAACGTATCCACCAAAATTTTGGTTGTGAGCTGGGAGCACAGACCCAGTTTGATGTTAAG
AATGACCGTTACATTGTCAATGGATCTCATGAGGCGAATAAGCTGCAAGACATGTTGGATGGATTACATA
AAAAATTTGTTCTCTGTCTGAGTGTGAGAATCCTGAAACAGATCTGCATGTCAATCCAAAGAAGCAAAC
AATAGGTAATTCTGTAAAGCCTGTGGTACCGAGGCATGCTTGACACACATCAAACTCTGTACATTC
ATTCTCAAAAACCCACCTGAGAAATAGTGACATTGGTACAGGAAAGAAAGAGAAAAGAAAAATAGAA
AGGGCAAGGACAAGGAAATGGCTCTGTATCCACCAGTGAGACACCACCCTCCACCACCAATGAAAT
TAGTCCTCCACATGCTGTGGAAGAAGAGGAAGATGATGATTGGGGGGAGGATACTAACTGAGGAAGCTCAA
AGGCGCAGAAATGGATGAAATCAGTGACCATGCAAAAGGCTGACACTTAGCGATGATTTGAAAGAAGCTG
TAGAAGAGCGTGTAAACATCCTGTTTGTATTTGTTAAGAAAAAGAAAGAAGAGGGCATTATTGATTCATC
TGATAAAGACATTGTGGCTGAGGAGAAAGACTGGATGTAAAAGCCATGGGCCCTCTCGTTTTGACAGAA
GTTCTCTTTGATGAGAAGATAAGAGAGCAAATCAAGAAATACAGGCGCCATTTTTAAGATTTTGCATA
ACAACAAAAGGCCAGCGGTACCTTCTCATGGTTTGAATGTGTGGTAGCAATGCATCAAGCTCAGTT
GATCTCCAAGATCCACATATCTTGAAGGAGATGTATGATGCAGACCTTTTAGAGGAAGAGGTCATTATC
AGCTGGTCAGAAAAGGCCTCAAGAAATATGTCTCAAAGAACTGCCAAAGAGATTTCGTGTCAAAGCAG
AGCCATTTATTAATGGTTGAAGGAAGCGGAGGAGGAATCTTCTGGTGGTGAAGGAAGACGAAGATGA
AAATATTGAGGTGGTATATTCGAAGACTGCCAGGTACCAAAAGTTGAACTGTGAAGTCTGACAACAAG
GATGACGACATTGATATTGATGCCATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209558 representing NM_020075
 Red=Cloning site Green=Tags(s)

MSVNVNRSVSDQFYRYKMPRLIAKVEGKNGIKTVIVNMVDVAKALNRPPTYPTKYFGCELGAQTQFDVK
 NDRIYVNGSHEANKLQDMLDGF IKKFVLCPEENPETDLHVNPKKQTI GNSCKACGYRGLDTHHKLCTF
 ILKNPPENSIDIGTKKEKEKKNRKGDKENGVSSTSETPPPPPNEISPPHAEVEEEDDDWGEDTTEEAQ
 RRRMDEISDHAKGLTLDLERTVEERVNILFDVVKKKKEGIIDSSDKDIVAEERLDVKAMGPLVLTE
 VLFDEKIREQIKKYRRHFLRFCHNNKKAQRYLLHGLECVVAMHQAQLISKIPHILKEMYDADLLEEEVII
 SWSEKASKKYVSKELAKEIRVKAEPFIKWLKEAEESGGEEEDENIEVVYSKTASVPKVETVYKSDNK
 DDDIDIDAI

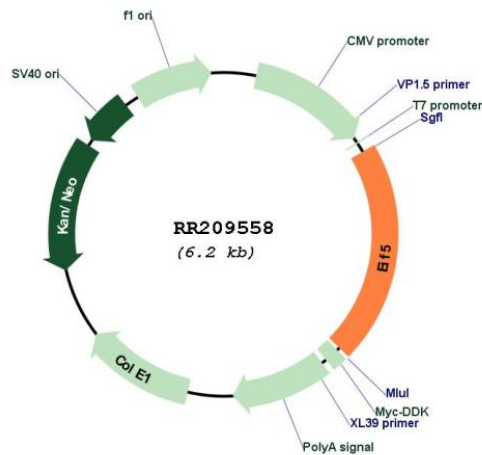
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_020075
ORF Size:	1287 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:	<ol style="list-style-type: none">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_020075.1 , NP_064460.1
RefSeq Size:	3504 bp
RefSeq ORF:	1290 bp
Locus ID:	56783
UniProt ID:	Q07205
Cytogenetics:	6q32
MW:	49 kDa
Gene Summary:	translation initiation factor that catalyzes the hydrolysis of GTP bound to the 40S ribosomal initiation complex [RGD, Feb 2006]