

Product datasheet for MR211382

Eif4enif1 (NM_001166547) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eif4enif1 (NM_001166547) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eif4enif1
Synonyms:	2610509L04Rik; A930019J01Rik; AA410001; AU021239; Clast4; D11Ertd166e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211382 representing NM_001166547 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAAAGTGTGGCTGAAACAGAAAATGGAGATGCTTTCCTTGAGCTGAAGAACTGCCACCTCCA
AATCCCCCATCGCTATACGAAAGAGGAGCTCTGGATATAAAGAACGTCCATACTCCAAGCAGAGGCC
ATCATGCCTCTCTGAAAAATATGACAGTGATGGTGTCTGGGACCCTGAGAAGTGGCATGCCTCTCTAC
CCAGCCTCGGGCGGAGCTCACCAGTGGAAAGTCTGAAGAAAGAGTCAGAATCCGATCGACCTTCTCTGG
TGCGCAGAATAGCAGATCCACGAGAGCGAGTGAAGAAGATGACTTAGATGTTGTTCTCAGCCACAGAG
ACGAAGCTTTGGAGGTGGCTGCCATGTGACAGCTGCTGTTAGCTCCCAGCATCTGGCAGTCCATTGGAG
AAAGACAGTGATGGACTTCGCCTGCTTGGTGGACGAAGAATTGGCAGTGGAAAGGATAATTTCTGCCCGGG
CCTTTGAAAAGGATCACCGTCTCAGTGATAAGGACCTGCGAGACTTGAGAGACCGAGACAGAGAGAGGGA
CTACAAGGACAAACGTTTCAGGAGGGAGTTGGAGATAGTAAACGTGCTTTTGGTGAAGGATGAAGAAAC
GATTCATACACTGAGGAAGAACCAGAATGGTTCAGCTGGACCCACCAGTCAGTCTGAAACCATAGAGC
TGACTGGCTTTGATGATAAGATTCTAGAGGAGGATCACAAAGGCAGAAAAAGAACAAGGCGACGGACTGC
CTCTGTGAAGGAAGGCATAGTGGAGTGAATGGAGGGTGGCTGAAGAGGACGAGGTGGAAGTCATTCTG
GCCCAGGAGCCCTCTGCTGATCAGGAAGTCCAAGGGATGTCATCCTACCTGAGCAGTCCCAGGAGAAT
TTGACTTTAATGAATCTTTAACCTTGATAAGGTGCCATGCTTGGCTTCGATGATAGAAGATGTTCTGGG
GGAAGGATCGGTCTCTGCCAGCCGCTTTCAGTAGGTGGTCTCTAACCCAAGCCGGTCAGGGAGCAGATCC
AGCAGCCTTGGATCCACACCCCATGAAGAACTTGAGAGACTGGCAGGTTTGGAGCAAGCCGTCCTCTCTC
CTGGACAGAACTCGGGGAATTAATTTGCTCCTATACCATCGGAAGACCATGCTGAAAATAAAGTGGACAT
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AAACTTAAGGAGAGCTCACATTCAGGGTTGTACTTTTCAGTGAAGAGGTAGAAGCAGGGCTGAAGGGCT
TGAAGTGGACCAGCAAATGAAGAATCAACTCCCTTCATGCCAGAACATTTAGAGGAGACCTGAGTGC
TGGAGTAGCAATAGACAGCTCAAGAAAGATGGAGATATGACTGCATTCAACAAGCTAGTGAACACCATG



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AAGGCAAGTGGAACTTTGCCTACCCAGCCCAAAGTCAGTCGAAACGTTGAAAGTCACTTATTGGCCCTG
 CTGAGATTCCAGGCCAGCCTGTTTCTAAAAACATCCTACAGGAATTCTGGGCAACCGTTTCAGAGACC
 CGCTTCTTCCAATCTTCTCAGTGGCCTTATGGGGAGCTTGGAGGCTACTGCATCTTTATTGAGCCAAAGA
 GCGCCCTCTCTCCAATGTCACAGGATTTTGAAGTCAAGCAGCCTCAGCAGACTACCTTCATCCAAGGA
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 GCCCATGAGTCTGTCTCAGCCAGATGAGCCAGCTAGAATTGCAGCAAGCTGCTTTGGAGGGCTGGCC
 CTACCACATGACCTTGACGTCCAGACAGCACCTTCTACCAGCCTGGTTTTAGCAAACCAAGTGGACA
 GAACCAGAGATGGGCTCAGAAACAGGCAACAGCGAATGTCAAAGTCACCAGCACCCATGCATGGTGAAAA
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 ATCCGGAAGATGTATGAAAGCAGAGAGAAAAACCAAGGAGGAAATGGCACCTGGAATGGTGGTTCTGGTG
 ATGGTAAAGAGGATACTCAGAAGACCAGCGAAGAGAACCCTGCTGTCCATCCAATCCCATACCAATACTGA
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 CTGGCCCACTCCTGGGTCAACCCTTGTACCCTTGGTCTCTGCTGCTAGTACCCTCTCCTAAACCTCG
 TCTGGGACCCCTCTGCATTTGGCGGTGATGCAGCAGCAGCTACAGCGCTCAGTTCTGCATCCTCCAGGC
 TCTAGTCCCAGGCAGCAGCTATCAGCGTTCAGACTCCTCAGAATGTACCAGCCGGTCGGGCATGCCCC
 ACATGCACTCCCAGCTGGAGCATCGTACCAGCCAAAGGAGCAGCTCCCCTGTGGGCTTGCCAAATGGTT
 TGGCTCAGATGTGCTACAGCAGCCTCTGCCCTCCATGCCACCAAAGTCATCAGTGTAGATGAACTGGAA
 TATAGACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211382 representing NM_001166547
 Red=Cloning site Green=Tags(s)

MEKSVAETENGDAFLELKKLPTSKSPHRYTKEELLDIKERPYKQRPSCLEKYDSDGVWDEPEKWHASLY
 PASGRSSPVESLKESESDRPSLVRRRIADPRERVKEDDLDVVLSPORRSFGGGCHVTAAVSSRRSGSPLE
 KDSGLRLLGRRIGSGRIISARAFKDHRLSDKDLRDLRDRDRERYDKDRFRREFGDSKRVFGERRRN
 DSYTEEEPEWFSAGPTSQSETIELTGFDKILEEDHKGRKRTRRRRTASVKEGIVECNGGVAEEDEVEVIL
 AQEPSADQEVPRDVILPEQSPGEFDFNEFFNLDKVPCLASMIEDVLGEGSVSASRFSRWFSNPSRSGSRS
 SSLGSTEPHEELRLAGLEQAVLSPGQNSGNYFAPIPSEDHAENKVDILEMLQKAKVDLKPILLSANKE
 KLKESHSVGVLSVEEVEAGLKGLKVDQMKNSTPFMAEHLEETLSAASSNRQLKKGDMTAFNKLVNTM
 KASGTLPTQPKVSRNVESHLLAPAEIPGQPVSKNILQELLGQPVQRPASSNLLSGLMGSLEATASLLSQR
 APSPPMQVFRTOAASADYLHPRIPIPIGFPSPGQQLLGDPPQGMKPMSPVSAQMSQLELQQAALGLA
 LPHDLAVQTAPFYQPGFSKPQVDRTRDGLRNRQQRMSKSPAPMHGNSSSPAPAASITSMLSPSFTPTSV
 IRKMYESREKTKEEMAPGMVVPDGDGKEDTQKTSEENLLSNPIPNTDQDSSTTNPKLSTLQRSSCSTPLS
 QTSRYTKEQDYRPKTAGRKTPTLASPVPPTPLRPTHQVPLVPHVPIVRPAHQLHPGLVQRLIAQGVHPQ
 HLPSSLQAGVLPPIIDMAPLQGLSGPLLQPLYPLVSAASHPLLNPRPGTPLHLAVMQQLQRSVLHPPG
 SSSQAAAI SVQTPQNVPSRSGMPMHMSQLEHRTSQRSSSPVGLAKWFGSDVLQQPLPSMPTKVISVDELE
 YRQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001166547

ORF Size: 2949 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).

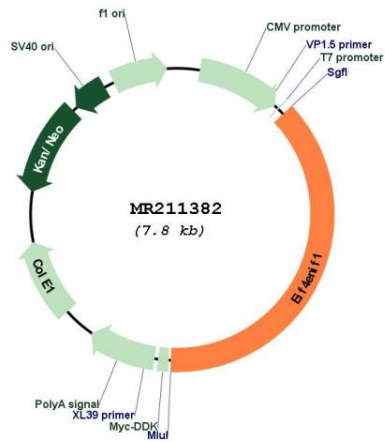
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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_001166547.1](#), [NP_001160019.1](#)

RefSeq Size: 3694 bp

RefSeq ORF: 2952 bp
 Locus ID: 74203
 UniProt ID: [Q9EST3](#)
 Cytogenetics: 11 2.24 cM
 MW: 108 kDa
 Gene Summary: Nucleoplasmic shuttling protein, which inhibits translation initiation. Mediates the nuclear import of EIF4E by a piggy-back mechanism.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211382