

## Product datasheet for MR217308

### Eif4enif1 (NM\_023743) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Eif4enif1 (NM_023743) 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:	>MR217308 representing NM_023743 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGAGAAAAGTGTGGCTGAAACAGAAAATGGAGATGCTTTCCTTGAGCTGAAGAACTGCCACCTCCA  
AATCCCCCATCGCTATACGAAAGAGGAGCTCTTGATATAAAAGAACGTCCATACTCCAAGCAGAGGCC  
ATCATGCCTCTCTGAAAAATATGACAGTGATGGTGTCTGGGACCCTGAGAAGTGGCATGCCTCTCTAC  
CCAGCCTCGGGCGGAGCTCACCAGTGGAAAGTCTGAAGAAAGAGTCAGAATCCGATCGACCTTCTCTGG  
TGCGCAGAATAGCAGATCCACGAGAGCGAGTGAAGAAGATGACTTAGATGTTGTTCTCAGCCCACAGAG  
ACGAAGCTTTGGAGGTGGCTGCCATGTGACAGCTGCTGTTAGCTCCCAGCATCTGGCAGTCCATTGGAG  
AAAGACAGTGATGGACTTCGCCTGCTTGGTGGACGAAGAATTGGCAGTGGAAAGGATAATTTCTGCCCGGG  
CCTTTGAAAAGGATCACCGTCTCAGTGATAAAGGACCTGCGAGACTTGAGAGACCGAGACAGAGAGAGGGA  
CTACAAGGACAAACGTTTCAGGAGGGAGTTGGAGATAGTAAACGTGCTTTGGTGGAGCGTAGAAGAAAAC  
GATTCATACACTGAGGAAGAACCAGAATGGTTTTAGCTGGACCCACCAGTCAGTCTGAAACCATAGAGC  
TGACTGGCTTTGATGATAAGATTCTAGAGGAGGATCACAAAGGCAGAAAAAGAACAAGGCGACGGACTGC  
CTCTGTGAAGGAAGGCATAGTGGAGTGAATGGAGGGTGGCTGAAGAGGACGAGGTGGAAGTCATTCTG  
GCCAGGAGCCCTCTGCTGATCAGGAAGTCCAAGGGATGTCATCCTACCTGAGCAGTCCCAGGAGAAT  
TTGACTTTAATGAATCTTTAACCTTGATAAGGTGCCATGCTTGGCTTCGATGATAGAAGATGTTCTGGG  
GGAAGGATCGGTCTCTGCCAGCCGCTTCAGTAGGTGGTCTCTAACCCAAGCCGGTCAGGGAGCAGATCC  
AGCAGCCTTGGATCCACACCCCATGAAGAACTTGAGAGACTGGCAGGTTTGGAGCAAGCCGTCCTCTCTC  
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AAACTTAAGGAGAGCTCACATTCAGGGTTGTACTTTTCAGTGAAGAGGTAGAAGCAGGGCTGAAGGGCT  
TGAAGTGGACCAGCAAATGAAGAATCAACTCCCTTCATGCCAGAACATTTAGAGGAGACCCTGAGTGC  
TGGAGTAGCAATAGACAGCTCAAGAAAGATGGAGATATGACTGCATTCAACAAGCTAGTGAACACCATG



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AAGGCAAGTGGAACTTTGCCTACCCAGCCCAAAGTCAGTCGAAACGTTGAAAGTCACTTATTGGCCCTG  
 CTGAGATTCCAGGCCAGCCTGTTTCTAAAAACATCCTACAGGAATTCTGGGTCAACCGTTTCAGAGACC  
 CGCTTCTTCCAATCTTCTCAGTGGCCTTATGGGGAGCTTGAGGCTACTGCATCTTTATTGAGCCAAAGA  
 GCGCCCTCTCTCCAATGTCACAGGATTTTGAAGTCAAGCAGCCTCAGCAGACTACCTTCATCCAAGGA  
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 TCTAGTCCCAGGCAGCAGCTATCAGCGTTCAGACTCCTCAGAATGTACCAGCCGGTCGGGCATGCCCC  
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 TGGCTCAGATGTGCTACAGCAGCCTCTGCCCTCCATGCCACCAAAGTCATCAGTGTAGATGAACTGGAA  
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGAT AAGGTTTAA

**Protein Sequence:**

>MR217308 representing NM\_023743  
 Red=Cloning site Green=Tags(s)

MEKSVAETENGDAFLELKKLPTSKSPHRYTKEELLDIKERPYSKQRPSCLSEKYDSDGVWDEPKWHASLY  
 PASGRSSPVESLKESESDRPSLVRRRIADPRERVKEDDLVVLSPQRRSFGGGCHVTAAVSSRRSGSPLE  
 KDSDLGLRLLGRRIGSGRIISARAFKDHRLSDKDLRDLRDRDRDYDKDRFRREFGDSKRVFGERRRN  
 DSYTEEEPEWFSAGPTSQSETIELTGFDDKILEEDHKGRKRTRRRRTASVKEGIVECNGGVAEEDEVEVIL  
 AQEPSADQEVPRDVILPEQSPGEFDFNEFFNLDKVPCLASMIEDVLGEGSVSASRFSRWFSNPSRSGSRS  
 SSLGSTEPHEELRLAGLEQAVLSPGQNSGNYFAPIPSEDHAENKVDILEMLQKAKVDLKPILLSSANKE  
 KLKESHSVGVLSVEEVEAGLKGLKVDQMKNSTPFMAEHLEETLSAASSNRQLKKGDMTAFNKL VNTM  
 KASGTLTPQPKVSRNVESHLLAPAEIPGQPVSKNILQELLGQPVQRPASSNLLSGLMGSLEATASLLSQR  
 APSPPMQVFRTOAASADYLHPRIPIPIGFPSPGQQLLGDPPQGMKPMSPVSAQMSQLELQQAALGLA  
 LPHDLAVQTAPFYQPGFSKPQVDRTRDGLRNRQQRMSKSPAPMHGNSSSPAPAASITSMLSPSFTPTSV  
 IRKMYESREKTKEEMAPGMVVPDGDGKEDTQKTSEENLLSNPIPNTDQDSSTTNPKLSTLQRSSCSTPLS  
 QTSRYTKEQDYRPKTAGRKTPTLASPVPPTPLRPTHQVPLVPHVPIVRPAHQLHPGLVQRLIAQGVHPQ  
 HLPSSLQAGVLPPIIDMAPLQQLSGPLLQPLYPLVSAASHPLLNPRPGTPLHLAVMQQLQRSVLHPPG  
 SSSQAAAI SVQTPQNVPSRSGMPMHMSQLEHRTSQRSSSPVGLAKWFGSDVLQQLPSMPTKVISVDELE  
 YRQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9096\\_e02.zip](https://cdn.origene.com/chromatograms/mm9096_e02.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_023743

**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\\_023743.2](#), [NP\\_076232.2](#)

**RefSeq Size:** 3709 bp

**RefSeq ORF:** 2952 bp

Locus ID: 74203

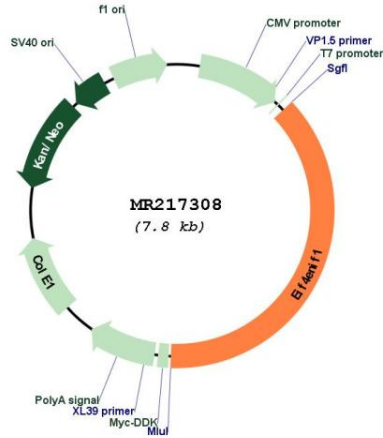
UniProt ID: [Q9EST3](#)

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 MR217308