

Product datasheet for **MG215757**

Eif4enif1 (NM_001166548) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eif4enif1 (NM_001166548) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Eif4enif1
Synonyms:	2610509L04Rik; A930019J01Rik; AA410001; AU021239; Clast4; D11Ertd166e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG215757 representing NM_001166548
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGAAAAGTGTGGCTGAAACAGAAAATGGAGATGCTTTCCTTGAGCTGAAGAACTGCCACCTCCA
 AATCCCCCATCGCTATACGAAAGAGGAGCTCTGGATATAAAAGAACGTCCATACTCCAAGCAGAGGCC
 ATCATGCCTCTCTGAAAAATATGACAGTGATGGTGTCTGGGACCCTGAGAAGTGGCATGCCTCTCTAC
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 ACGAAGCTTTGGAGGTGGCTGCCATGTGACAGTGTCTGTAGCTCCGACGATCTGGCAGTCCATTGGAG
 AAAGACAGTGTGACTTCGCTGCTTGGTGGACGAAGAATTGGCAGTGAAGGATAATTTCTGCCCGGG
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 GATTCATACACTGAGGAAGAACCAGAATGGTTTTAGCTGGACCCACCAGTCACTGAAACCATAGAGC
 TGACTGGCTTTGATGATAAGATTCTAGAGGAGGATCACAAGGCAGAAAAAGAACAAGGCGACGGACTGC
 CTCTGTGAAGGAAGGCATAGTGGAGTGCATGGAGGGTGGCTGAAGAGGACGAGGTGGAAGTATTCTG
 GCCCAGGAGCCCTCTGCTGATCAGGAAGTTCCAAGGATGTATCCTACCTGAGCAGTCCCAGGAGAAT
 TTGACTTTAATGAATCTTTAACCTTGATAAGGTGCCATGCTTGGCTTCGATGATAGAAGATGTTCTGGG
 GGAAGGATCGGTCTCTGCCAGCCGCTTCAGTAGGTGGTCTCTAACCCAAGCCGGTCAGGGAGCAGATCC
 AGCAGCCTTGGATCCACACCCCATGAAGAACTTGAGAGACTGGCAGGTTGGAGCAAGCCCTCTCTCTC
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 CTTCTTCAATCTTCTCAGTGGCCTTATGGGGAGCTTGGAGGCTACTGCATCTTTATTGAGCCAAAGAGC
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 TTCGACCTGCACACCAGCTTACCCAGGATTAGTCCAAGGTTGATAGCCCAAGGGGTACATCCACAGCA
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 ATGCACTCCAGCTGGAGCATCGTACCAGCCAAAGGAGCAGCTCCCTGTGGGCTTGCCTAAATGGTTTG
 GCTCAGATGTGCTACAGCAGCCTCTGCCCTCCATGCCACCAAAGTCATCAGTGTAGATGAACTGGAATA
 TAGACAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215757 representing NM_001166548
 Red=Cloning site Green=Tags(s)

MEKSVAETENGDAFLELKKLPTSKSPHRYTKEELLDIKERPYSKQRPSCLSEKYSDSGVVDPEKWHASLY
 PASGRSSPVESLKKESSEDRPSLVVRIADPRERVKEDDLVVLSPQRRSFGGGCHVTAAVSSRRSGSPL
 KDSGLRLLGRRIGSGRIISARAFKDHRLSDKDLRDLRDRDRDYKDKRFRREFGDSKRFGERRR
 DSYTEEEPEWFSAGPTSQSETIELTGFDKILEEDHKGRKRTRRTASVKEGIVECNGGVAEEDVEVIL
 AQEPSADQEVPRDVLPEQSPGEFDFNEFFNLDKVPCLASMIEDVLGEGSVSASRFSRWFNPSRSGSRS
 SSLGSTPHEELERLAGLEQAVLSPGQNSGNYFAPIPSEDHAENKVDILEMLQKAKVDLKPILLSANKE
 KLKESHSVGVLSVEEVEAGLKLKVDQMKNSTPFMAEHLEETLSAASSNRQLKKGDMTAFNKLVNTM
 KASGTLPTQPKVSELLGQPVQRPASSNLLSGLMGSLEATASLLSQRAPSPPMQVFRTOAASADYLHPRI
 PSPIGFSPGQQLLGDPPQGMKPMSPVSAQMSQLELQQAALGLALPHDLAVQTAPFYQPGFSKPQVDR
 TRDGLRNRQRMKSPAPMHGGNSSPAPAASITSMSPSFTPTSVIRKMYESREKTKEMAPGMVVPD
 GKEDTQKTSEENLLSSNPINPTDQDSSTNPKLSTLQRSSCSTPLSQTSTRYKEDYRPKTAGRKTPTLA
 SPVPGTFLRPTHQVPLVPHVPIVRPAHQLHPGLVQRLIAQGVHPQHLPSLLQAGVLPPIGDMAPLQGLS
 GPLLGPQLYPLVSAASHPLLNPRPGTPLHLAVMQQLQRSVLHPPGSSSQAAAISVQTPQNVPSRSGMPH
 MHSQLEHRTSQRSSSPVGLAKWFGSDVLQQLPSMPTKVISVDELEYRQ

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

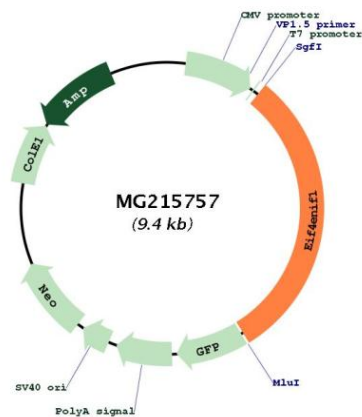


ACCN: NM_001166548

ORF Size: 2877 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:	<u>NM_001166548.1, NP_001160020.1</u>
RefSeq Size:	3626 bp
RefSeq ORF:	2880 bp
Locus ID:	74203
UniProt ID:	<u>Q9EST3</u>
Cytogenetics:	11 2.24 cM
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 MG215757