

Product datasheet for **MC218809**

Eif2d (NM_010709) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eif2d (NM_010709) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eif2d
Synonyms:	D1Ertd5e; Lgtn
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218809 representing NM_010709
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTTCGCTAAGGCCTTTCGGGTC AAGTCCAACACAGCCATCAAGGGCTCGGACAGGAGAAAGCTCCGGG
CCGATGTGACAGCTGCTTCCCTGCCCTGGGAACAGATCAGATCTCTGAATTGATACCTGGAAAGGAAGA
GCTAAATGTTGTGAAGTTGTATGTTACAAAGGGGATTTCGGTACTGTGTACACGAGTGGTGGTAACCCC
ATCCTATTTGAACTGGAGAAAAATTTGTATCCAACAGTGTACACACTGTGGGCCTATCCGGATATTCTAC
CAACTTTTATAACATGGCCTCTGGTATTGGAAAACTGGTCGGGGGAGCAGATTTGATGCTGCCAGGGGT
AGTGGTCCCCCTACTGGTCTTCTCAAGTACAGCAAGGCGACCTCTGTGCCATTGCCTTGGTGGGGAAC
AGAGCGCCCGTTGCAATTGGAGTGGCCGCCATGTCCACAGCTCAGATGCTGGCTTCAGGCCTGAAGGGAA
AAGGTGTCTCTGTCTCCACACTTATCAGGACCACTTGTGGAGATCTGGAGACAAGTCTCTCCACCTGC
CATTGCCCACTGGACCCACAGATAGCTGCGAAGAGAAGGTGCACCTTGGTCTGCAGGGAAACCTGAAG
AGCCTGACCTGGACGGAGAGGAGGAGAACGGGCAGGTTCTCTCCGAGAAGCCTCTGAGGACACCAAGCT
CCAGGGCCCCGAGCCAGGATTCCTTGGACGGCAAGCCCCCTTCAGGAACAATGGACGATCTGTTACTGCG
GTGCTTCTTCATGCCCTGAAGAGTCGAGTCAAGAAAAGCTGACCTCCCGTTGCTCACCAGCACTCTCCTT
GGCAGTCACATGTTCTCCTGCTGTCTTGAAGGACAGCAACTGGATATAAAGAAGTCAAGCTATAAAAAAGC
TCTCTAAGTTCCTGCAGCACATGCAGCAGGAGCAGATTGTCCAGGTCAAGGAGCTGAGCAAGGGGTGGA
GAGCATTGTGGCTGTGGACTGGAGGCACCCGAGGATCACGCTTTTCGTCATCCCCGAGCCTTCCCTGACT
TCCCAGACTGTCCAGGAAGTTAGCAGGGAACAGCCCTATCTCCCTCCAGATATAAAATCCCTCTACTGTG
TCCCAGCCAACATGACCCAGCTTCTCCTGGAGTCTGGCCACAAGAAGGGGAGCACCTTGGAGGCGAGTGA
GGTCCGAAAGATCATCACGGACTATGCCAAGAGAAACAGACTGGTGGATGCAGACAACAGAAATCTGGTG
AAGTTGGATCCTATCTTATGTGACTGCATCTTAGAGAAAAATGAGCAGCACTTGGTCACGAAGCTCCCAT
GGGACTGTCTCCTGACCAGGTGTTTAAAAATATGCAGCCTGCCTACCAAGTAACATTTCTGGCCAGGA
ACCCATTCTAAAGAAAGGAAACTCTGTCCAATTGATATCACCTTGCCTGAAGACCTATAATAAAAAAG
GTGACTGTGGTCCGAACTTGGAGACCTATGGTCTAGATCCGTGCTCAGTGGCCGCCATTCTCCAGCAGC
GATGTCAGGCAAGCACCATCGTCTCTCCTGCCCTGGGGCCAAAGACAGTCTGCAGGTGCAGGTCCAGGG
AAACCAGATCCACCACCTTGGCCAGCTACTGCTTGAATCATGTGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_010709
Insert Size: 1659 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
Components:	<p>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).</p>
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_010709.3 , NP_034839.2
RefSeq Size:	2122 bp
RefSeq ORF:	1659 bp
Locus ID:	16865
UniProt ID:	Q61211
Cytogenetics:	1 56.9 cM
Gene Summary:	<p>Translation initiation factor that is able to deliver tRNA to the P-site of the eukaryotic ribosome in a GTP-independent manner. The binding of Met-tRNA(I) occurs after the AUG codon finds its position in the P-site of 40S ribosomes, the situation that takes place during initiation complex formation on some specific RNAs. Its activity in tRNA binding with 40S subunits does not require the presence of the aminoacyl moiety. Possesses the unique ability to deliver non-Met (elongator) tRNAs into the P-site of the 40S subunit. In addition to its role in initiation, can promote release of deacylated tRNA and mRNA from recycled 40S subunits following ABCE1-mediated dissociation of post-termination ribosomal complexes into subunits (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1.</p>