OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC219145

Eif2d (NM_001136070) Mouse Untagged Clone

Product data:

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

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Fully Sequenced ORF:

>MC219145 representing NM_001136070
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCGCTAAGGCCTTTCGGGTCAAGTCCAACACAGCCATCAAGGGCTCGGACAGGAGAAAGCTCCGGG
CCGATGTGACAGCTGCTTTCCCTGCCCTGGGAACAGATCAGATCTCTGAATTGATACCTGGAAAGGAAGA
GCTAAATGTTGTGAAGTTGTATGTTCACAAAGGGGATTCGGTGACTGTGTACACGAGTGGTGGTAACCCC
ATCCTATTTGAACTGGAGAAAAATTTGTATCCAACAGTGTACACACTGTGGGCCTATCCGGATATTCTAC
CAACTTTTATAACATGGCCTCTGGTATTGGAAAAACTGGTCGGGGGAGCAGATTTGATGCTGCCAGGGGT
AGTGGTGCCCCCTACTGGTCTTCCTCAAGTACAGCAAGGCGACCTCTGTGCCATTGCCTTGGTGGGGAAC
AGAGCGCCCGTTGCAATTGGAGTGGCCGCCATGTCCACAGCTCAGATGCTGGCTTCAGGCCTGAAGGGAA
AAGGTGTCTCTGTGCTCCACACTTATCAGGACCACTTGTGGAGATCTGGAGACAAGTCCTCTCCACCTGC
CATTGCCCCACTGGACCCCACAGATAGCTGCGAAGAGAAGGTGCACCTTGGTCTGCAGGGAAACCTGAAG
AGCCTGACCCTGGACGGAGAGGAGGAGAACGGGCAGGTTCCTCTCCGAGAAGCCTCTGAGGACACCAGCT
CCAGGGCCCCGAGCCAGGATTCCTTGGACGGCAAGCCCCTTCAGGAACAAATGGACGATCTGTTACTGCG
GTGCTTCCTTCATGCCCTGAAGAGTCGAGTCAAGAAAGCTGACCTCCCGTTGCTCACCAGCACTCTCCTT
GGCAGTCACATGTTCTCCTGCTGTCCTGAAGGACAGCAACTGGATATAAAGAAGTCAAGCTATAAAAAGC
TCTCTAAGTTCCTGCAGCACATGCAGCAGGAGCAGATTGTCCAGGTCAAGGAGCTGAGCAAAGGGGTGGA
GAGCATTGTGGCTGTGGACTGGAGGCACCCGAGGATCACGTCTTTCGTCATCCCCGAGCCTTCCCTGACT
TCCCAGACTGTCCAGGAAGTTAGCAGGGAACAGCCCTATCTCCCTCCAGATATAAAATCCCTCTACTGTG
TCCCAGCCAACATGACCCAGCTCTTCCTGGAGTCTGGCCACAAGAAGGGGAGCACCCTTGAGGGCAGTGA
GGTCCGAAAGATCATCACGGACTATGCCAAGAGAAACAGACTGGTGGATGCAGACAACAGAAATCTGGTG
AAGTTGGATCCTATCTTATGTGACTGCATCTTAGAGAAAAATGAGCAGCACTTGGTCACGAAGCTCCCAT
GGGACTGTCTCCTGACCAGGTGTTTGAAAAATATGCAGCCTGCCTACCAAGTAACATTTCCTGGCCAGGA
ACCCATTCTAAAGAAAGGGAAACTCTGTCCAATTGATATCACCCTTGCACTGAAGACCTATAATAAAAAG
GTGACTGTGGTCCGGAACTTGGAGACCTATGGTCTAGATCCGTGCTCAGTGGCCGCCATTCTCCAGCAGC
GATGTCAGGCAAGCACCATCGTCTCTCCTGCCCCTGGGGCCAAAGACAGTCTGCAGGTGCAGGTCCAGGG
AAACCAGATCCACCACCTTGGCCAGCTACTGCTTGAAGAGTATCGGCTCCCTGGAAAATACATCCAAGGC
CTAGAAAAGGCCCCCAAACCTGGCAAGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001136070

Insert Size: 1713 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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).

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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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001136070.1, NP_001129542.1
RefSeq Size:	1976 bp
RefSeq ORF:	1713 bp
Locus ID:	16865
UniProt ID:	Q61211
Cytogenetics:	1 56.9 cM
Gene Summary:	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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).

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