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Product datasheet for MC224726

Eif4g1 (NM_001005331) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eif4g1 (NM_001005331) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eif4g1
Synonyms:	E030015G23Rik; eIF4GI
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

Fully Sequenced ORF:

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>MC224726 representing NM_001005331
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACAAAGCTCCCCAGCCCACAGGCCCCCCACCCGCCAGGTCCCCTGGACTCCCACAGCCAGCGTTTC
CCCCGGGGCAGACTGCACCGGTGGTGTTTAGCACGCCTCAAGCGACACAAATGAACACGCCTTCTCAGCC
CCGCCAGCACTTCTACCCTAGCCGGGCCCAGCCCCCTAGCAGTGCAGCCTCCCGAGTGCAGAGTGCAGCC
CCTGCCCGTCCTGGCCCAGCTCCCCATGTCTACCCTGCTGGATCCCAAGTAATGATGATCCCTTCCCAGA
TCTCCTACTCAGCCTCCCAAGGAGCCTACTATATCCCTGGACAGGGGCGTTCCACATATGTTGTCCCAAC
ACAGCAGTACCCTGTGCAGCCAGGAGCCCCAGGCTTCTATCCAGGTGCAAGCCCTACCGAGTTTGGGACC
TATGCTGGAGCCTATTACCCAGCCCAAGGTGTGCAGCAGTTTCCTGCTAGTGTGGCTCCTGCCCCAGTTT
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AAATTAAAGAGCTAAATAAGAAGGAGGCTGTAGGAGACCTTCTAGATGCCTTCAAGGAGGTGGACCCAGC
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GGATGCTGATGGAAGCAAGACCCAGGACCTGTTCCGCAGGGTACGCTCCATCCTGAATAAGCTGACACCC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_001005331
Insert Size:	4782 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).
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_001005331.1, NP_001005331.1
RefSeq Size:	5460 bp
RefSeq ORF:	4782 bp
Locus ID:	208643
Cytogenetics:	16 B1
Gene Summary:	This gene encodes a member of the eukaryotic translation initiation factors (eIF) that play important roles in translation initiation by mediating recruitment of additional initiation factors and providing a scaffold for ribosome/mRNA-bridging. Along with eIF4A and eIF4E, the encoded protein forms the eIF4F complex that bridges the 5' UTR with the polyadenylated 3' UTR resulting in mRNA circularization, enhanced translation initiation and mRNA stability. Through its association with eIF3, the encoded protein mediates recruitment of the 43S pre-initiation complex to mRNA. Alternative splicing of this gene results in multiple transcript variants. Pseudogenes for this gene have been identified on chromosomes 2 and 13. [provided by RefSeq, Jan 2015]