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Product datasheet for SC122593

EIF2G (EIF2S3) (NM_001415) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EIF2G (EIF2S3) (NM_001415) Human Untagged Clone
Tag:	Tag Free
Symbol:	EIF2G
Synonyms:	eIF-2gA; EIF2; EIF2G; EIF2gamma; MEHMO; MRXSBRK
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_001415 edited
TTTCCTTCCTCTTTTGGCAACATGGCGGGCGGAGAAGCTGGAGTGACTCTAGGGCAGCCG
CATCTTTCGCGTCAGGATCTCACCACCTTGGATGTTACCAAGTTGACGCCACTTTCACAC
GAAGTTATCAGCAGACAAGCCACAATTAACATAGGTACAATTGGTCATGTAGCTCATGGG
AAATCCACAGTCGTCAAAGCTATTTCTGGAGTTCATACTGTCAGGTTCAAAAATGAACTA
GAAAGAAATATTACAATCAAGCTTGGATATGCTAATGCTAAGATTTATAAGCTTGATGAC
CCAAGTTGCCCTCGGCCAGAATGTTATAGATCTTGTGGGAGCAGTACACCTGACGAGTTT
CCTACGGACATTCCAGGGACCAAAGGGAACTTCAAATTAGTCAGACATGTTTCCTTTGTT
GACTGTCCTGGCCACGATATTTTGATGGCTACTATGCTGAACGGTGCAGCAGTGATGGAT
GCAGCTCTTCTGTTGATAGCTGGTAATGAATCTTGCCCTCAGCCTCAGACATCGGAACAC
CTGGCTGCTATAGAGATCATGAAACTGAAGCATATTTTGATTCTACAAAATAAAATTGAT
TTGGTAAAAGAAAGTCAGGCTAAAGAACAATACGAGCAGATCCTTGCATTTGTCCAAGGT
ACAGTAGCAGAGGGAGCTCCCATTATTCCAATTTCAGCTCAGCTGAAATACAATATTGAA
GTTGTTTGTGAGTACATAGTAAAGAAAATTCCAGTACCCCCAAGAGACTTTACTTCAGAG
CCCCGGCTTATTGTTATTAGATCTTTTGATGTCAACAAACCTGGCTGTGAAGTTGATGAC
CTTAAGGGAGGTGTAGCTGGTGGTAGTATCCTAAAAGGAGTATTAAAGGTGGGCCAGGAG
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GGAGGGAGAGTTAGTGCTGTCAAGGCCGATTTGGGTAAAATTGTTTTGACCAATCCAGTG
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TCCCACATAATGTCAAAATTATACATCATGCAGTTCTGTTTTTTTGTTTGTTTAATTTTG
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CTGGGATTACAGGCGTGAGCCACCTTGCCCAGCCCACATCATACAGTTTGAAATGAAACT
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GTTTTTTTTCTTTTTCATGATTCGTCTTTGAGTACCTCCAGGCTGAAAGACTGTTGTACC
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AATTGTCCTTTAGAGCATGATTACTTGTTCCCATGGACAAATATTTTTCTCCCCTTGCTC
TTCCTGGCCTGAAACACGGGAAACCAGAGTCAAAAGTTATCTCCCTCTCCCTGTGATGCC
TTGAGATTTTTTTCTGCGTTGTTTAATGCCTGAAATCCAAGTCTTCCTCCATGGGAAAAT
ACTGTTATACCAAATAATTCTAGATGAGTAACAAAGATCTTTTTAGGCCTTCATTTTATG
TTTTTTCTTAACTGTTATATTATGATTGTGACATAGATTATACTACTACTAATTTTTGGA
TGTTTCAAAAGGTCAAGAAGTAAAAGATGTTAGAAAGCAAAAAAAAAAAAAAAAAAAAA
AAAAAA

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_001415 unedited
NAAGTCGTATTTGTATACGACTCATATAGGCGGCACGCGATTCAGATCTGGTACCGGTCC
GGAATTCCCGGGATATCGTCGACCCACGCGTCCGTTTCCTTCCTCTTTTGGCAACATGGC
GGGCGGAGAAGCTGGAGTGACTCTAGGGCAGCCGCATCTTTCGCGTCAGGATCTCACCAC
CTTGGATGTTACCAAGTTGACGCCACTTTCACACGAAGTTATCAGCAGACAAGCCACAAT
TAACATAGGTACAATTGGTCATGTAGCTCATGGGAAATCCACAGTCGTCAAAGCTATTTC
TGGAGTTCATACTGTCAGGTTCAAAAATGAACTAGAAAGAAATATTACAATCAAGCTTGG
ATATGCTAATGCTAAGATTTATAAGCTTGATGACCCAAGTTGCCCTCGGCCAGAATGTTA
TAGATCTTGTGGGAGCAGTACACCTGACGAGTTTCCTACGGACATTCCAGGGACCAAAGG
GAACTTCAAATTAGTCAGACATGTTTCCTTTGTTGACTGTCCTGGCCACGATATTTTGAT
GGCTACTATGCTGAACGGTGCAGCAGTGATGGATGCAGCTCTTCTGTTGATAGCTGGTAA
TGAATCTTGCCCTCAGCCTCAGACATCGGAACACCTGGCTGCTATAGAGATCATGAAACT
GAAGCATATTTTGATTCTACAAAATAAAATTGATTTGGTAAAAGAAAGTCAGGCTAAAGA
ACAATACGAGCAGATCCTTGCATTTGTCCAATGTACAGTAGCAGAGGGAGCTCCCATTAT
TCCAATTTCAGCTCAGCTGANATACAATATTGAAGTTGTTTGTGAGTACATAGTAAAGGA
AATTCCAGTACCCCCAAGAGACTTTACTTCAGAGCC
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Restriction Sites: Please inquire

ACCN: NM_001415

Insert Size: 2646 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_001415.2, NP_001406.1

RefSeq Size: 2646 bp

RefSeq ORF: 1419 bp

Locus ID: 1968

UniProt ID: P41091

Cytogenetics: Xp22.11

Gene Summary: The protein encoded by this gene is the largest subunit of a heterotrimeric GTP-binding protein involved in the recruitment of methionyl-tRNA(i) to the 40 S ribosomal subunit. [provided by RefSeq, Jan 2010]