

Product datasheet for **SC117780**

eIF4GII (EIF4G3) (NM_003760) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	eIF4GII (EIF4G3) (NM_003760) Human Untagged Clone
Tag:	Tag Free
Symbol:	eIF4GII
Synonyms:	eIF-4G 3; eIF4G 3; eIF4GII
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117780 sequence for NM_003760 edited (data generated by NextGen Sequencing)

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Clone variation with respect to NM_003760.4
 3838 t=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003760 unedited
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 TCCCGTGTCTCAGCAGTCTACAGCACGGTAACACAAGTGGCAAGACAGCCGGGAACCC
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003760 unedited
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 CCTCTGTGTATAAGACATTAATAAAATTCGNACCAATTGGCGGGTGGACAAGCTTACTC
 TCGAGCTTGCACGGCACAAGGGCTGGACCCCTTCTTGTATCCGTCCCAGGACCTGGACC
 AGATCGGCCTTTCTGCTGACACCCACGGTCCCACGTCCGTC

Restriction Sites:

NotI-NotI

ACCN:

NM_003760

Insert Size:

5650 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:	<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_003760.2, NP_003751.2</u>
RefSeq Size:	5880 bp
RefSeq ORF:	4758 bp
Locus ID:	8672
UniProt ID:	<u>O43432</u>
Cytogenetics:	1p36.12
Domains:	eIF5C, MIF4G, MA3
Protein Families:	Transcription Factors
Protein Pathways:	Viral myocarditis
Gene Summary:	<p>The protein encoded by this gene is thought to be part of the eIF4F protein complex, which is involved in mRNA cap recognition and transport of mRNAs to the ribosome. Interestingly, a microRNA (miR-520c-3p) has been found that negatively regulates synthesis of the encoded protein, and this leads to a global decrease in protein translation and cell proliferation. Therefore, this protein is a key component of the anti-tumor activity of miR-520c-3p. [provided by RefSeq, May 2016]</p> <p>Transcript Variant: This variant (3) lacks an in-frame exon in the CDS, as compared to variant 1. The resulting isoform (3) lacks an internal segment, as compared to isoform 1.</p>