

Product datasheet for **SC117806**

eIF3s8 (EIF3C) (NM_003752) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	eIF3s8 (EIF3C) (NM_003752) Human Untagged Clone
Tag:	Tag Free
Symbol:	eIF3s8
Synonyms:	eIF3-p110; EIF3CL; EIF3S8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC117806 sequence for NM_003752 edited (data generated by NextGen Sequencing)

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ATGTCGCGGTTTTTACCACCGGTTCCGACAGCGAGTCCGAGTCGTCCTTGTCCGGGGAG
GAGCTCGTCACCAACCTGTCCGAGGCAACTATGGCAAACAGCCATTGTTGCTGAGCGAG
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Clone variation with respect to NM_003752.3
1164 c=>t

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003752 unedited</p> <pre>GGGTTCAGNATTTGTAACGATTCACTATAGGCGGCCCGGAATTCGCACGAGGGCCCTG CGGTGTGACTCGCGGGCTCAGCTGGTCCGGCCGTAGCACCTCCGCGCCGTCGCCATGTCC CGGTTTTTACCACCGGTTCCGACACGGAGTCCGAGTCGTCTTGTCCGGGGAGGAGCTC GTCACCAAACCTGTCGGAGGCAACTATGTTTTTGGCCATTGTTGCTGAGCGAGGATGAAG AAGATACCAAGAGAGTTGTCCGAGTGCCAAGGACAAGAGTTTGGAGAGCTGACCAACC TTATCCGGACCATCCGTAATGCCATGAAGATTCGTGATGTCACCAAGTGCCTGGAAGAGT TTGAGCTCCTGGGAAAAGCATATGGGAAGGCCAAAAGCATTGTGGACAAAGAAGGTGTCC CCCGGTTCTATATCCGCATCCTGGCTGACCTAGAGGACTATCTTAATGAGCTTTGGGAAG ATAAGGAAGGGAAGAAGAAGATGAACAAGAACAATGCCAAGGCTCTGAGCACCTTGCGTC AGAAGATCCGAAAATACAACCGTATTTTCGAGTCCCATATCACAAGCTACAAGCAGAACC CCGAGCAGTCTGCGGATGAAGATGCTGAGAAAAATGAGGAGGATTCAGAAGGCTCTTCAG ATGAGGATGAGGATGAGGACGGAGTCAGTGTGCAACTTCTTGAAGAAGAAATCACAAG CTCCTTCTGGGGAGAGTCGCAAGTTCCTCAAAAAGATGGATGATGAAGATGACGACTCAG AAGATCCCGAGATGATGAAGACTGGGACACAGTTCCCATCTTCGATTCCGACTTCATA GGAGAAGTAGGGAACCAACCGCGCTGCCTCAGATTTCTTAAAAGCCCCCACCAGGAG ACAG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003752 unedited</p> <pre>NNCCAAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGCAAC TTTAAACAGACCTTTAGTGACTGAGGTGTGGTTTAGGACTTCAAGTTGGATGGCCAGG CGGAAACAGAGTGGAGAGCTCAGTAGGCCGTCTGAGACTGCTGTGGCGGTAGCCACCG CGGCGCATGTAGCCCTCGTTTTTTCGCGTAGCCCTCTTCTGGTCTCGGAAGTAGCCCCCG TAGGTGCCTGCTTGTGGTCAAACACCCGTTTCGTTGTTCTCCACCAGGCTGCCAGCTTC TCGGCCAGCTGCAGAGCCAGGTTCTGCTGGGAGTGGGCTCAGTGCAGTGCATCACCCT GTCTGTGTTGGCTGGTCCAGGGAGGCCATCAGCTCCTCATTAAATGATCATTTTGTGATG ATGGAGTGCACAGTGGGAGATCCAGCTCAAACATGTCTGACAGCGTCTCCATGCTGATG GAGTCATAGACTGCTGTACGTGAAGAGGTAGTCTCAGTACTCTTCTGGATCTTC CTAACACAGCATGGTCCGACTTTGTGAGCTCGGGGAAAAGTCCACACTTTCCCATTC ATCTTCTTATTGATGATAAAACTGCGACAGGTTCCAGTCAACCATCTTCATGGCCTTG GAGGCCGCGACCATGTTCCCGCATGGACTCAAGTGGACCCAGCATGGGCTGTGCTTGG CCCACGCGCAGCTGCCGGTGGAACTGCTTGTGATCATTGTCGCGGGCATCGCTCTCA TGGGCGGCCATGTACGGATCTCCAGGAGCCTGGCAGACCCAGGGTGAACACTCCAGCC TTCCAGTTGATGTGAAGTTGTATGGAACTGTACGGCCGTTTACCTTCTT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_003752
Insert Size:	3000 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_003752.2](#), [NP_003743.1](#)

RefSeq Size: 3027 bp

RefSeq ORF: 2742 bp

Locus ID: 8663

UniProt ID: [Q99613](#)

Cytogenetics: 16p11.2

Domains: PCI

Protein Families: Druggable Genome

Gene Summary: Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis (PubMed:17581632, PubMed:25849773, PubMed:27462815). The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA_i and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation (PubMed:17581632). The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression (PubMed:25849773).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) is the predominant transcript. Variants 1-4 encode the same isoform (a).