

Product datasheet for **SC115805**

EIF2D (NM_006893) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EIF2D (NM_006893) Human Untagged Clone
Tag:	Tag Free
Symbol:	EIF2D
Synonyms:	HCA56; LGTN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC115805 sequence for NM_006893 edited (data generated by NextGen Sequencing)

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ATGTTTGCCAAGGCCCTTCGGGTCAAGTCCAACACGGCCATCAAGGGGTCCGGACAGGAGA
AAGCTTCGAGCTGATGTGACAACTGCTTTCCACCCCTTGAAGTCAAGTCTCTGAG
TTAGTACCTGGAAAGGAGGAGCTCAACATTGTGAAGTTGTATGCTCACAAAGGGGATGCA
GTGACTGTGTACGTGAGTGGTGGTAACCCCATCCTCTTTGAACTGGAGAAAAATCTGTAT
CCAACAGTGTACACGCTGTGGTCTATCCTGATCTTCTGCCAACCTTTACAACATGGCCT
CTGGTGTCTGAGAACTGGTAGGGGAGCAGATTTGATGCTGCCTGGACTGGTGTATGCC
CCTGCTGGTCTGCCTCAGGTACAGAAGGGCGACCTCTGTGCCATTTCTTTGGTGGGGAAC
AGAGCCCCGTAGCCATTGGAGTTGCAGCCATGTCCACAGCTGAGATGCTCACGTCAGGC
CTGAAGGGAAGGGGCTTCTGTGCTCCACACTTACCAGGACCACTTGTGGCGGTCTGGA
AACAAAGTCTCTCCACCTTCCATTGCTCCACTGGCCCTGGATTACAGCAGATCTCAGTGAA
GAGAAGGGGTCTGTCCAGATGGACTCCACCCTGCAGGGAGACATGAGGCACATGACCCTG
GAGGGGGAAGAGGAGAATGGGGAGGTTACCAGGCACGTGAAGACAAGTCTCTCTCAGAA
GCCCCAGAAGACACCAGCACCAGGGGCTGAACCAAGACTCCACAGATAGCAAAACGCTT
CAAGAACAATGGATGAGCTGTTACAGCAATGCTTCTTACATGCCTTGAAGTGCCGAGTC
AAAAAGGCTGACCTCCCTTTACTCACCAGCACTTCTTGGCAGCCACATGTTCTCCTGC
TGCCCCGAAGGACGACAACCTGGACATAAAGAAGTCAAGTACAAAAAGCTCTCTAAGTTC
CTGCAGCAATGCAGCAGGAGCAGATTATACAGGTGAAGGAGCTGAGCAAAAGGGGTGGAG
AGCATTGTGGCTGTGGACTGGAACACCCGAGGATTACATCTTTTCGTATACCCGAGCCC
TCCCCGACCTCCAGACTATCCAGGAGGGTAGCAGGGAACAGCCCTATCACCTCCAGAT
ATAAAACCCCTCTACTGTGTCCCAGCCAGCATGACCCTGCTCTTCCAGGAGTCTGGCCAC
AAGAAGGGGAGCTTTCTGGAGGGCAGTGAAGTCCGAACGATCGTCATTAACACTCGCCAAG
AAAAATGACCTGGTTGATGCAGACAACAAAAATCTTGTGAGATTGGATCCCATCCTATGT
GACTGCATCTTAGAGAAAAATGAACAGCATACAGTCATGAAGCTTCCATGGGACAGTCTT
CTGACCAGGTGTTTGGAAAAATTACAGCCTGCCTATCAAGTGACCCTTCCCGACAAGAG
CCCATTGTGAAGAAAGGAGAATCTGTCCAATTGACATCACCTAGCACAAAGAGCGTCT
AATAAAAGGTGACCGTGGTCCGGAACCTGGAGGCCTATGGTCTGGACCCATACTCAGTG
GCTGCCATCCTTACAGCAGCGATGCCAGGCTAGCACCCCGTCAATCCTGCCCTGGGGCC
AAGGACAGCCTTACAGGTGCAGATCCAGGAAACCAGGTCCACCACCTCGGCTGGCTATTG
CTTGAAGAGTATCAGCTCCCTCGAAAACACATCCAAGGTCTAGAAAAGGCCCTCAAACCT
GGCAAGAAGAAGTGA
    
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Clone variation with respect to NM_006893.2

5' Read Nucleotide Sequence: >OriGene 5' read for NM_006893 unedited

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GGTTTTGCCGGNATTTTGGTATACGTACTACTATAGGGCGGCCGCGATTCCGCACGAGC
CACGGCTGAGGGCCTGGCAGCTGCTGCGCCCTCGCTTTCTTGACATTCCTGGCTTCTGT
GCTCTCTTCCCCAGGCCACCCACAGCAGACATGTTTGCCAAGGCCTTTCGGGTCAAGTCCA
ACACGGCCATCAAGGGTCCGGACAGGAGAAAGCTTCGAGCTGATGTGACAACTGCTTTCC
CCACCCTTGCAACTGATCAAGTCTCTGAGTTAGTACCTGGAAAGGAGGAGCTCACCATTTG
TGAAGTTGTATGCTCACAAAGGGGATGCAGTACTGTGTACGTGAGTGGTGGTAACCCCA
TCCTCTTTGAACTGGAGAAAAATCTGTATCCAACAGTGTACACGCTGTGGTCTATCCTG
ATCTTCTGCCAACCTTTACAACATGGCCTCTGGTGTCTGAGAACTGGTAGGGGAGCAG
ATTTGATGCTGCCTGGACTGGTGTATGCCCTGCTGGTCTGCCTCAGGTACAGAAGGGCG
ACCTCTGTGCCATTTCTTTGGTGGGGAACAGAGCCCTGTAGCCATTGGAGTTGCAGCCA
TGTCCACAGCTGATATGCTCACGTCAGGCTGAAGGGAAGGGGCTTCTGTGCTCCACA
CTTACCAGGACCACTTGTGCCGGTCTGGAACAGTCTCTCCACCTTCAATTGCTCCACTG
GCCCTGGATCAGCAGATCTCAGTGAAGAGAAGGGTCTGTCCAGATGTAATCCACCTGCAG
GGAGACATGAGGCCCATGACCCTGCAGGGCAACAGAAATGGGTGAAGTCTCACACGAC
GTGAAAACAAGTCTCTAAAAGCCCCAAGACACAGCAACCAGGGCCTGAACAGATTC
CCAAAAACAAAAGCTTCAGACCT
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006893 unedited NTCAGCTTGGNACCGCGGCCGCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTTAGATT AGAATAAAATTTATTTTTGTAAAGAATTATATTTTGTATTTGCAAAAGCTGAAAATGCT CATAAAATACCAGCCCAGAGCTTGGATTTCCACCGGATCCACCACGTGAGACAAAAGA GTCTGTCACTTCTTCCAGGTTTGAGGGCCTTTCTAGACCTGGATGTGTTTTCGA GGGAGCTGATACTTTCAAGCAATAGCCAGCCGAGGTGGTGGACCTGGTTCCCTGGATC TGCACCTGAAGGCTGTCCTTGGCCCCAGGGCCAGGATTGACGGTGGTGTAGCCTGGCAT CGCTGCTGAAGGATGGCAGCCACTGAGTATGGGTCCAGACCATAGGCCTCCAAGTTCCGG ACCACGGTCACCTTTTTATTAGACGCTCTTTGTGCTAGGGTGATGTCAATTGGACAGATT CTCCTTTCTTCAATGGGCTCTTGTCCGGGAAGGGTCACTTGATAGGCAGGCTGTAAT TTTTCAAACACCTGGTCAGAAGACTGTCCCATGGAAGCTTCATGACTGTATGCTGTTCA TTNTTCTAAGATGCAGTCACATAGGATGGGATCCAATCTCACAAGATTTTTGTGTCT GCATCAACCAGGTCATTTTTCTGGCGTAAGTAATGACGATCGTTCGGACCTCACTGCC TCCAAAAGCCTCCCTTTCTGGTGGCCAGAATCCTGAAAGAGCAGGGGCATGCCTGGCTG GGACACCAGTAGAAGGGTTTATAATCTGGAAGGTGAAAAGGGCGTGTCCCTGGTACCC TCCTGGAATACCTGGGGGGCCGGGAGGGCTCCGGTATGACAAAAGAAGAAATCCTCGG GGGTCCAGTCCACAGCCCTTGGCTCTCCCACTCTTGCCTACTCT
Restriction Sites:	NotI-NotI
ACCN:	NM_006893
Insert Size:	2050 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:	NM_006893.2 , NP_008824.2
RefSeq Size:	2115 bp
RefSeq ORF:	1755 bp
Locus ID:	1939
UniProt ID:	P41214
Cytogenetics:	1q32.1
Domains:	SUI1, PUA

Protein Families: Druggable Genome

Gene Summary: This gene encodes a translation initiation factor involved in the recruitment and delivery of aminoacyl-tRNAs to the P-site of the eukaryotic ribosome in a GTP-independent manner. This gene was previously referred to as ligatin, but is now known to localize to the cytoplasm and localize and function with translation factors. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).