

## Product datasheet for **SC322496**

### 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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for SC322496  
 CCCCAGCATGGCTGCCCCACGGCTGAGGGCCTGGCAGCTGCTGCGCCCTCGCTTTCTTG  
 ACATTCCTGGCTTCTGTGCTCTTCCCCAGGCCACCCAGCAGACATGTTTGCCAAGG  
 CCTTTCGGGTCAAGTCCAACACGGCCATCAAGGGTGGACAGGAGAAAGCTTCGAGCTG  
 ATGTGACAACCTGCTTCCCCACCTTGGAACTGATCAAGTCTCTGAGTTAGTACCTGGAA  
 AGGAGGAGCTCAACATTGTGAAGTTGTATGCTCACAAAGGGGATGCAGTGACTGTGTACG  
 TGAGTGGTGGTAACCCCATCCTTTGAACTGGAGAAAAATCTGTATCCAACAGTGATACA  
 CGCTGTGGTCCTATCCTGATCTTCTGCCAACCTTTACAACATGGCCTCTGGTGCTCGAGA  
 AACTGGTAGGGGGAGCAGATTTGATGCTGCCTGGACTGGTGTATGCCCCCTGCTGGTCTGC  
 CTCAGGTACAGAAGGGGACCTCTGTGCCATTTCTTGGTGGGGAACAGAGCCCTGTAG  
 CCATTGGAGTTGCAGCCATGTCCACAGCTGAGATGCTCACGTCAGGCCTGAAGGGAAGGG  
 GCTTCTCTGTGCTCCACACTTACCAGGACCACTGTGGCGGTCTGGAAACAAGTCTCTC  
 CACCTTCCATTGCTCCACTGGCCCTGGATTGAGCAGATCTCAGTGAAGAGAAGGGGTCTG  
 TCCAGATGGACTCCACCCTGCAGGGAGACATGAGGCACATGACCCTGGAGGGGGAAGAGG  
 AGAATGGGGAGGTTACCAGGCAGTGAAGACAAGTCTCTCTCAGAAGCCCCAGAAGACA  
 CCAGCACCAGGGGCTGAACCAAGACTCCACAGATAGCAAAACGTTCAAGAACAATGG  
 ATGAGCTGTTACAGCAATGCTTCTTACATGCCTTGAAGTGCCGAGTCAAAAAGGCTGACC  
 TCCTTTACTCACCAGCACTTTCCTTGGCAGCCACATGTTCTCCTGCTGCCCCGAAGGAC  
 GACAACTGGACATAAAGAAGTCAAGTACAAAAAGCTCTTAAGTTCTGAGCAAAATGC  
 AGCAGGAGCAGATTATACAGGTGAAGGAGCTGAGCAAAGGGGTGGAGAGCATTGTGGCTG  
 TGGACTGGAAACCCCGAGGATTACATCTTTCGTACATCCCGAGCCCTCCCGACCTCCC  
 AGACTATCCAGGAGGTTAGCAGGGAACAGCCCTATCACCTCCAGATATAAAACCCCTCT  
 ACTGTGTCAGCCAGCATGACCCTGCTCTTCCAGGAGTCTGGCCACAAGAAGGGGAGCT  
 TTCTGGAGGGCAGTGAGGTCCGAACGATCGTCATTAACACGCAAGAAAAATGACTGG  
 TTGATGCAGACAACAAAAATCTTGTGAGATTGGATCCCATCCTATGTGACTGCATCTTAG  
 AGAAAAATGAACAGCATACAGTCATGAAGCTTCCATGGGACAGTCTTCTGACCAGGTGTT  
 TGGAAAAATTACAGCCTGCCTATCAAGTGACCCTTCCCGACAAGAGCCCATTTGTGAAGA  
 AAGGGAGAATCTGTCCAATTGACATCACCTAGCACAAAGAGCGTCTAATAAAAAGGTGA  
 CCGTGGTCCGGAACCTGGAGGCCTATGGTCTGGACCCATACTCAGTGGCTGCCATCCTTC  
 AGCAGCGATGCCAGGCTAGCACACCGTCAATCCTGCCCTGGGCAAGGACAGCCTTC  
 AGGTGCAGATCCAGGAAACCAGGTCCACCACCTCGGCTGGCTATTGCTTGAAGAGTATC  
 AGCTCCCTCGAAAACACATCCAAGGTCTAGAAAAGGCCCTCAAACCTGGCAAGAAGAAGT  
 GACAGACTCTTTTGTCTCACGTGGTGGATCCGGTGGAAATCCAAGCTCTGGGCTGGTAAT  
 TTTTATGAGCATTTTCAGCTTTTGCAAATACAAAATATAATTCTTTACAAAAATAAATTT  
 TTATTCTAATCTAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_006893

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_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).