

## Product datasheet for **SC322358**

### EIF3D (NM\_003753) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EIF3D (NM_003753) Human Untagged Clone
Tag:	Tag Free
Symbol:	EIF3D
Synonyms:	eIF3-p66; eIF3-zeta; EIF3S7
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 SC322358  
 CAAGAGTGCTGCTGCTAACGCGGTCCCCGGCACGCACCATCTGTTGCCATCCCAGCCGGC  
 CGAGGCCATTGCAGATTTTGAAGATGGCAAAGTTCATGACACCCGTGATCCAGGACAAC  
 CCCTCAGGCTGGGGTCCCTGTGCGGTTCCCGAGCAGTTTCGGGATATGCCCTACCAGCCG  
 TTCAGCAAAGGAGATCGGCTAGGAAAGGTTGCAGACTGGACAGGACCACATACCAAGAT  
 AAGAGGTACACAAATAAGTACTCCTCTCAGTTTGGTGGTGAAGTCAATATGCTTATTTT  
 CATGAGGAGGATGAAAGTAGCTTCCAGCTGGTGGATACAGCGCGCACACAGAAGACGGCC  
 TACCAGCGGAATCGAATGAGATTTGCCAGAGGAACCTCCGCAGAGACAAAGATCGTCGG  
 AACATGTTGCAGTTCAACCTGCAGATCCTGCTAAGAGTGCCAAAACAGAAAGAGAGAGAA  
 CGCATTGACTGCAGAAAAAGTTCCAGAAAAAATTTGGGGTTAGGCAGAAATGGGATCAG  
 AAATCACAGAAACCCCGAGACTTTCAGTTGAAGTTCGTAGTGATTGGGAAGTAAAGAG  
 GAAATGGATTTTCTCAGTTGATGAAGATGCGCTACTTGGAAAGTATCAGAGCCACAGGAC  
 ATTGAGTGTGTGGGGCCCTAGAATACTACGACAAAGCCTTTGACCGCATCACCACGAGG  
 AGTGAGAAAGCCACTGCGGAGCATCAAGCGCATCTTCCACTGTACCACCACAGACGAC  
 CCTGTCATCCGCAAGCTGGCAAAAACCTCAGGGGAATGTGTTTCCACTGATGCCATCCTG  
 GCCACGCTGATGAGCTGTACCCGCTCAGTGTATTCTGGGATATTGTCGTCCAGAGAGTT  
 GGGTCCAAACTCTTTTACAAGAGAGACAACCTGACTTTGACCTCCTGACAGTGAGT  
 GAGACTGCCAATGAGCCCCCTCAAGATGAAGGTAATTCCTTCAATTCACCCCGCAACCTG  
 GCCATGGAGGCAACCTACATCAACCACAATTTCTCCAGCAGTGCTTGAGAAATGGGGAAG  
 GAAAGATACAACCTCCCAACCCAAACCCGTTTGTGGAGGACGACATGGATAAGAATGAA  
 ATCGCCTCTGTTGCGTACCGTTACCGCAGGTGGAAGCTTGGAGATGATATTGACCTTATT  
 GTCCGTTGTGAGCAGCATGGCGTCACTGACTGGAGCCAACGGGGAAGTGTCTTTCATCAAC  
 ATCAAGACACTCAATGAGTGGGATTCAGGCACGTGTAATGGCGTTGACTGGCGTCAGAAG  
 CTGGACTCTCAGCGAGGGGCTGTCATTGCCAGGAGCTGAAGAACAACAGCTACAAGTTG  
 GCCCGGTGGACCTGCTGTGCTTTGCTGGCTGGATCTGAGTACCTCAAGCTTGTTATGTG  
 TCTCGGTACCACGTGAAAGACTCCTCACGCCACGTATCCTAGGCACCCAGCAGTTCAAG  
 CCTAATGAGTTTGCCAGCCAGATCAACCTGAGCGTGGAGAATGCCTGGGGCATTTTACGC  
 TGCGTCATTGACATCTGCATGAAGCTGGAGGAGGGCAAATACCTCATCCTCAAGGACCC  
 AACAGCAGGTGATCCGTGTCTACAGCCTCCCTGATGGCACCTTCAGCTCTGATGAAGAT  
 GAGGAGGAAGAGGAGGAGGAAGAAGAGGAAGAAGAAGAGGAAGAAACTTAAACCAGTGAT  
 GTGGAGCTGGAGTTTGTCTTCCACCGAGACTACGAGGGCCTTTGATGCTTAGTGAAGT  
 TGTGTCTAACTTGTCTCTGACATTTAGCAGATGAAATAAAATATATATCTGTTTGTCT  
 TTCCTCAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_003753

**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\\_003753.3](#), [NP\\_003744.1](#)

**RefSeq Size:** 1949 bp

**RefSeq ORF:** 1647 bp

**Locus ID:** 8664

**UniProt ID:** [O15371](#)

**Cytogenetics:** 22q12.3

**Domains:** eIF-3\_zeta

**Gene Summary:** Eukaryotic translation initiation factor-3 (eIF3), the largest of the eIFs, is a multiprotein complex composed of at least ten nonidentical subunits. The complex binds to the 40S ribosome and helps maintain the 40S and 60S ribosomal subunits in a dissociated state. It is also thought to play a role in the formation of the 40S initiation complex by interacting with the ternary complex of eIF2/GTP/methionyl-tRNA, and by promoting mRNA binding. The protein encoded by this gene is the major RNA binding subunit of the eIF3 complex. [provided by RefSeq, Jul 2008]