

## Product datasheet for **SC329627**

### EIF2D (NM\_001201478) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** EIF2D (NM\_001201478) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** EIF2D  
**Synonyms:** HCA56; LGTN  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC329627 representing NM\_001201478.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTTTGCCAAGGCCTTTCGGGTCAAGTCCAACACGGCCATCAAGGGTTCGGACAGGAGAAAGCTTCGA
GCTGATGTGACAACTGCTTCCACCCTTGGAACTGATCAAGTCTCTGAGTTAGTACCTGGAAAGGAG
GAGCTCAACATTGTGAAGTTGTATGCTCACAAGGGGATGCAGTGACTGTGTACGTGAGTGGTGGTAAAC
CCCATCTCTTTGAACTGGAGAAAAATCTGTATCCAACAGTGTACACGCTGTGGTCTATCTGATCTT
CTGCCAACCTTTACAACATGGCCTCTGGTCTCGAGAACTGGTAGGGGAGCAGATTTGATGCTGCCT
GGACTGGTGTGATGCCCCCTGCTGGTCTGCCTCAGGTACAGAAGGGGACCTCTGTGCCATTTCTTTGGTG
GGGAACAGAGCCCTGTAGCCATTGGAGTTGCAGCCATGTCCACAGCTGAGATGCTCACGTACGGCCTG
AAGGGAAGGGGCTTCTCTGTGCTCCACACTTACCAGGACCACTTGTGCCCGAAGGACGACAACCTGGAC
ATAAAGAAGTCAAGCTACAAAAGCTCTCTAAGTTCTGCAGCAAATGCAGCAGGAGCAGATTATACAG
GTGAAGGAGCTGAGCAAAGGGTGGAGAGCATTGTGGCTGTGGACTGGAAACACCCGAGGATTACATCT
TTCGTATACCCGAGCCCTCCCGACCTCCAGACTATCCAGGAGGGTAGCAGGGAACAGCCCTATCAC
CCTCCAGATATAAAACCCTCTACTGTGTCCCAGCCAGCATGACCCTGCTTCCAGGAGTCTGGCCAC
AGAAGGGGAGCTTCTGGAGGGCAGTGAGGTCGAACGATCGTCATTAACACGCAAGAAAAATGAC
CTGGTTGATGCAGACAACAAAAATCTTGTGAGATTGGATCCCATCCTATGTGACTGCATCTTAGAGAAA
AATGAACAGCATACAGTCATGAAGCTTCCATGGGACAGTCTTCTGACCAGGTGTTTGAAAAAATTACAG
CCTGCCTATCAAGTGACCCTTCCCGACAAAGAGCCATTGTGAAGAAAGGGAGAATCTGTCCAATTGAC
ATCACCTAGCACAAAGAGCGTCTAATAAAAAGGTGACCGTGGTCCGAACTTGGAGGCCTATGGTCTG
GACCCATACTCAGTGGCTGCCATCCTTCAGCAGCGATGCCAGGCTAGCACCACCGTCAATCTGCCCTT
GGGGCCAAGGACAGCCTTCAAGTGCAGATCCAGGGAAACCAGGTCCACCACCTCGGCTGGCTATTGCTT
GAAGAGTATCAGCTCCCTCGAAAACACATCCAAGGTCTAGAAAAGGCCCTCAAACCTGGCAAGAAGAAG
TGA
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001201478  
**Insert Size:** 1383 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001201478.1</a>
<b>RefSeq Size:</b>	1741 bp
<b>RefSeq ORF:</b>	1383 bp
<b>Locus ID:</b>	1939
<b>UniProt ID:</b>	<a href="#">P41214</a>
<b>Cytogenetics:</b>	1q32.1
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	51 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) lacks two in-frame exons in the coding region. The resulting protein (isoform 2) is shorter, compared to isoform 1.</p>