

## Product datasheet for **SC126117**

### EIF5A2 (NM\_020390) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** EIF5A2 (NM\_020390) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** EIF5A2  
**Synonyms:** EIF-5A2; eIF5AII  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL5  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_020390 edited  
 CGGCGCCGCTGCTGTAGGGGACCAGCGGGTGCAGACGAAAGGCGCTCTTTGCCAGC  
 TGAAAGTTCCACGGAAAACTACCATCTCCCCTGCCACCATGGCAGACGAAATTGATT  
 TCACTACTGGAGATGCCGGGGCTTCCAGCACTTACCCTATGCAGTGCTCGGCCTTGC  
 AAAACGGCTTCGTGGTGCTCAAAGGACGACCATGCAAAATAGTGGAGATGTCAACTTCCA  
 AAAGTGGAAAGCATGGTCATGCCAAGGTTACCTTGTGGAAATTGATATTTTACGGGCA  
 AAAAATATGAAGATATTTGCTCTACTCACAACATGGATGTTCCAAATATTAAGAGAA  
 ATGATTATCAACTGATATGCATTCAAGATGGTTACCTTTCCCTGCTGACAGAACTGGT  
 AAGTTCGTGAGGATCTTAACTGCCAGAAGGTGAAGTGGCAAGAAATAGAGGGAAAT  
 ACAATGCAGGTGAAGATGTACAGGTGTCTGTATGTGTGCAATGAGTGAAGAATATGCTG  
 TAGCCATAAAAACCCTGCAATAAACGGAACATCAGGCATGAACACTGTTTATGTCTGAA  
 TCAACTGCAGATCTAATTTGGTTCTAAGTTGTCAACAAAGCTATAGCCTTCATAAGCAAC  
 CTCAATTTCTTTTTTAATTGTTTTAGATTGTGCTGGGTTAGTTTTGCAAGCAATTGATA  
 ATTTTTAAAAAATTATCAATATGTATAATTTTTTTGAATTTTGTAGATATGTTTCTAT  
 AATATTCCTGTGGTTTTTCAGTATGTGAGTCCAAGAAACAAACAAGATAGCTTCAGCAGAT  
 GTGATTTGTCTGAGCAAAATCATTCTGTGTTTTAGTTAGATGATAAACAGGGTTTTAA  
 TCAAAACATGTAGCATAAAGTGGTATTGAAGTACCATATTTAAGTTGAAGTGTCTGCA  
 TAATTACAGATTTAATATAAAATGAACTGATTATATTTGGAATTGTTGCACTTTTCAGCC  
 TGTGTAGGGCAAACACAAATCCTTAAACAAAAATCATGTTATCAAAAAGTGTGAGTTATT  
 TTGGTGGCCACATGCAACCATGTGATTACTTTGGTCATACTATTTACCAAATTGTTGGCA  
 AACTTGATGTAACCTTATATGGTGGTTTTAGTCCCTTCTTATGGTTGGCAGAAGGGCACT  
 GAACTGTTGGGTGAAAGTTAGTTAGCAAGTAAGATTATAAGGAAGACACAAAAGACAGTG  
 GCAAAGAGGGTTGATTAATCTATAAGTTTTTATGTGAGGACTTTGTAAGTCAAGCATAAA  
 AATGAAAAGTTGTTTCTCAGTTGTTTTGCTTTTAACTTTGCCCCCAACGTTTAAAGGGA  
 GTGATCTGCTTTACATGATACTATGCAATGCTTGTGTTTCCAACATGTTGAATAAATAGT  
 AATATTTATCAGTAAATACTCTTTCCAACCTCTTTTTTTTTTTTTTTTTTTTTTTGAGAC  
 TGAGTCTCACTCCATCAGCCAGGCTGGAGTGCAGTGGTGAATCTCGGCTCACTGCAACC



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TCTGCCTCCCGAGTTCAAGCAATTCTCCTGCCTCAGCCTCCCAAGTAGCTGGGACTACAG  
 GTGCATGCCACCACGCACAGCTACTTTTTGTGTATTTTAGTAGAGATGGGGTTCCACCA  
 TGTTGTCTAGGCTGGTCTTGAACCTGACCTCAGGTGATCCACCTGCCTCAGCCTCCCA  
 AAGTGTGGGATTACAGGCATGAGCCACCACCCAGCCCCTTCCAACCATTTCTAAGT  
 AGATTTTTTGACATTAATGTATTTATTAACAAAACTGAGAATTCCTAAATGATTTG  
 GAATTTTTGTAAATTTATGTCCTTTTTTCTAAAGTGAATTAAGTGAATCATGGAAG  
 CAGCATTACTTTATATGAATATTATTATTAAGTTAAGTTATTTAAGTATATGCATTTT  
 TTATGATTGTTGTGACTTAATTCAGTTGCTGGTGTGAACATAACTAGCAAATAATTC  
 TATAAACTGAATTTTTAAAAGGTATTTAGGTGACACCACTGCATTTCTATTTTCATCT  
 TTTGAGTCATATGTATATTATTTCCAGAATTTTAGACATTATTACAGGGTTTGTGAGGAC  
 CTTTGACTCAGTGACAATCATCATATTGGAGCAAAACATAGAACAAAATCACTATCTCAG  
 AAATACCTTAATCTCTAAGACTGGCTCTTAGACCTCTCCCATCATGCCTTGACCTCTAA  
 AAAGCCCTTTGTTCTATCTTCTAAAGGAAAGTATATCATATATGATGATGTAACGTATC  
 TAATCAGTGACTGAAAATAGCATTAGTAACAGAAGATCCCAAGTTTTAGTTGCTTAATTT  
 GTACACACTTTTTAAATATTGCTTAGCCTCGGCAAACTTTGGGGAAGAAGCAAGATA  
 CTTAAGAGAAAATACAAAGGAAAATTTCTAAAGCACAAGAAAATAGTGAGGTAGTAGTTAGT  
 CGTCTTTCTACAACTTTTAGCTTTTGCCCATCTAAAGCACAATTAATAATAGGCTACA  
 TTCCTTCCAGTATTCTATTTAAGTACCTACTACATACTGCTCTAGTTTCTTAGTACTCTG  
 TAATGTGTATCTTAATTGCTACTGGTTGGCATTGTAACCTCATAGGAATCCAGAAAATTA  
 TTAATCCGTGCTGCTTGCAGTTCATTATATGGCCCTCTTAACCATGCTGGTGTATGA  
 TTCAGTATTAACCTCAATTAGCATGCCCTGTTCTTCTAACTTGTAATAATTTACATA  
 AATATATTTCAATTGTGTACAAATTAAGGGTGTACAAATATAATAATGCATCTCTATC  
 TTCATATTTGAATGGCAACGCTATTTATGCATAAATATTTTCATTTAAGTAAATAT  
 GAAGTGAATAACTCGATATATAAGTATAGATTTTAAAGATATGGGACTTTATTTTCA  
 TAAGTCAATAGATGTTTCTCTAGAACAAAATTTAGTAAAGCTTTATAAATTATATTA  
 AAGGAAGCGGGAAACATGTATTTTTAACATAGAACAGAAGTACTTCTTTTTTAGA  
 CATCAGAAATGTTAAAGTTGATTCCCAATATTTGTTGACTTTTTTTGTAGCAAATGTTAA  
 AAATCACGAGTTACCATGTATAGAATGTGGACTGTCATGTTGATATCATTGTACAGTGAT  
 AAGCCATTTTTATCTGTATACATTTACCAATTTATTAACAGGTTGAATATTTGTTTCTT  
 TTTAGAACATTTATTTACTGTGAAGACTTTGTTATACCTTATTTGCTACAACATAGA  
 TCATATCATTGCTACTTTGACTTAGCATTGTCATATAACATAATTATGATGTTTTTTT  
 TCATGCTCCCTTCCAGGGGCTCAGTCACTTGAAGAACTTTGCTAACCAAGCTCTTGAC  
 TCTGTTCCCTTAATGATACAAGTCTCTGTACCAGCGCTTTATGTTAATTACAAAACCT  
 TCCTGCATCAGAGCATGATATCTATAATAGGAGATACTGCAATAAAATGATTAGGCTAAA  
 AAAAAAAAAAAAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_020390 unedited  
 GGCTTTGATTTGTATACCACTTATTATAGCGGCCGCATAACTTCGTATAGCATACATTA  
 TACGAAGTTATGGATCAGGCCAAATGCGGCCGAGCTCGAATTCGTCGAGAGCGGCGGCGC  
 CGCTGCTGTAGGGGACCAGCGCGGGTGCCGAGACGAAAGGCGCTCTTTGCCAGCTGAAAAG  
 TTCCCACGGGAAAAACTACCATCTCCCCTGCCACCATGGCAGACGAAATGATTTCACT  
 ACTGGAGAGGCGGGGCTCCAGCACTTACCCTATGCAGTGCTCGGCCTTGCGCAAAAAC  
 GGCTTCGTGGTGTCAAAGGACGACCATGCAAAATAGTGGAGATGTCAACTTCCAAAAC  
 GGAAAGCATGGTCATGCCAAGGTTACCTTGTGGAATTGATATTTTACGGGCAAAAAA  
 TATGAAGATATTTGCTTCTACTACAACATGGATGTTCCAAATATTAAGAGAAATGAT  
 TATCAACTGATATGCATTCAAGATGGTTACCTTCCCTGCTGACAGAACTGGTGAAGTT  
 CGTGAGGATCTTAAACTGCCAGAAGGTGAAGTGGCAAAAGAAATAGAGGGAAAATACAAT  
 GCAGGTGAAGATGTACAGGTGTCTGTCATGTGTGCAATGAGTGAAGAATATGCTGTAGCC  
 ATAAAACCTGCANATAAACGGAACATCAGGCATGAACACTGTTTATGTCTGAATCAAC  
 TGCAGATCTAATTTGTTCTAAGTTGTCACCAAAGCTATAGCCTTCATAGCAACCTCCAT  
 TTCTTTTTTAATTTGTTTCAAATTTGCTGGGTTAGTTTTGCAAGCCATTGATTATTTTT  
 TAAAAATATCAAATGTAATATTTTTTTGAATTTTGTAGATATGTTTCTAAATAATC  
 CTGGGGTTTCAGNTGTCAGTCCAAAAACAAA

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_020390
<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>	<u><a href="#">NM_020390.5</a></u> , <u><a href="#">NP_065123.1</a></u>
<b>RefSeq Size:</b>	5537 bp
<b>RefSeq ORF:</b>	462 bp
<b>Locus ID:</b>	56648
<b>UniProt ID:</b>	<u><a href="#">Q9GZV4</a></u>
<b>Cytogenetics:</b>	3q26.2

**Gene Summary:**

mRNA-binding protein involved in translation elongation. Has an important function at the level of mRNA turnover, probably acting downstream of decapping. Involved in actin dynamics and cell cycle progression, mRNA decay and probably in a pathway involved in stress response and maintenance of cell wall integrity. Functions as a regulator of apoptosis. Mediates effects of polyamines on neuronal process extension and survival. May play an important role in brain development and function, and in skeletal muscle stem cell differentiation (By similarity).[UniProtKB/Swiss-Prot Function]