

## Product datasheet for MC210266

### Eif3f (NM\_025344) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Eif3f (NM\_025344) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Eif3f  
**Synonyms:** 0610037M02Rik; AA409853; Eif3s5  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC210266 representing NM\_025344  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGC**C

ATGGCTTCTCCGGCCGTACCGGCTAATGTCCCTCCTGCCACTGCAGCCGAGCCCCGGCGCCGGTCGTCA  
 CCGCAGCCCCGGCTTCAGCCCCACCCATCCACGCCAGCTCCGACACCGGCTGCGACTCCCGCTGCGTC  
 CCGGGCGCCGTCTCGTCTGATCCTGTGTAGCTGCGCCTGCAGCCCCGGGCCAGACCCAGCCTCCGCG  
 CCAGCCCCAGCGCAGACGCCGGCGCCTTCGCAGCCCCGGGCCCGCCCTCCCGGGGCTTTCCCGGGCGGCC  
 GCGTGGTCAGGCTACACCCCGTCATTTTGGCCTCGATCGTGGACAGCTACGAACGCCGAACGAGGGAGC  
 TGCCCCGAGTTATTGGAACCCTGTTGGAACTGTTGACAAGCACTCGGTAGAAGTCACTCACTGCTTTTCG  
 GTGCCACACAATGAGTCAGAAGTGAAGTGGCTGTTGACATGGAATTTGCTAAGAATATGTATGAATTAC  
 AAAAAAGTCTCCCAAATGAGCTCATCCTAGGCTGGTATGCCACAGGCCATGACATCACAGAACAACACTC  
 AGTGTGATCCATGAGTACTACAGCAGGGAGGCCCGAACCCATTACCTCACGGTGGACACAGGTCTC  
 CAGCATGGGCGCATGAGCATCAAGGCCATGTGCAGCACTTAAATGGGTGTCCCTGGGAGGACCATGGGAG  
 TGATGTTACACCTCTCACAGTGAAGTACGCGTATTATGACACTGAACGCATTGGAGTTGACCTCATCAT  
 GAAGACGTGTTTTAGCCCAACCGGGTATTGGACTCTCAAGTGACTTACAACAAGTGGGAGGGGCTCA  
 GCTCGCATCCAGGATGCTCTAAGCACTGTATTACAGTATGCTGAGGATGTGCTGTCTGGGAAAGTGTCTG  
 CTGACAACACGGTGGGCCGCTTCTTGATGAGCCTGTCAACCAAGTACCAAGATAGTTCCTGATGACTT  
 TGAGACCATGCTCAACAGCAACATCAATGACCTGCTGATGGTGACCTACCTGGCCAATCTCACCCAGTCA  
 CAGATTGCCCTCAACGAGAACTTGTAACCTG**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_025344



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<b>Insert Size:</b>	1086 bp
<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>NM_025344.2</u> , <u>NP_079620.2</u>
<b>RefSeq Size:</b>	1507 bp
<b>RefSeq ORF:</b>	1086 bp
<b>Locus ID:</b>	66085
<b>UniProt ID:</b>	<u>Q9DCH4</u>
<b>Cytogenetics:</b>	7 E3
<b>Gene Summary:</b>	Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA <sup>i</sup> and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation. The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression.[UniProtKB/Swiss-Prot Function]