

## Product datasheet for **MC212509**

### Eif5a2 (NM\_177586) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Eif5a2 (NM\_177586) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Eif5a2  
**Synonyms:** 9630038B20; eIF5AII  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212509 representing NM\_177586  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCAGACGAAATTGATTTCACTACTGGAGATGCAGGGCTTCCAGCACTTATCCTATGCAGTGCTCAG  
 CCCTGCGCAAAAACGGCTTCGTCGTGCTCAAAGGGCGACCATGCAAAATCGTGGAGATGTCAACTCCAA  
 GACTGGGAAGCATGGTCATGCCAAGGTACACCTTGTGGAAATTGACATTTCACTGGCAAAAATATGAA  
 GACATTTGTCTTCTACTCACAACATGGATGTTCCAAATATTAAGAGAAACGATTATCAACTCATATGCA  
 TTCAGGATGGTTACCTTTCCCTGCTGACAGAACTGGCGAAGTCCGTGAAGATCTTAAGCTGCCAGAAGG  
 TGAAGTGGCAAAAGAAATAGAAGGGAAATACAATGCAGGTGAAGATGTGCAGGTGTCTGTATGTGTGCC  
 ATGAGTGAAGAATACGCTGTAGCCATAAAGCCCTGCAAA**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_177586

**Insert Size:** 462 bp

**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).



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<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_177586.5, NP_808254.1</u>
<b>RefSeq Size:</b>	4992 bp
<b>RefSeq ORF:</b>	462 bp
<b>Locus ID:</b>	208691
<b>UniProt ID:</b>	<u>Q8BGY2</u>
<b>Cytogenetics:</b>	3 A3
<b>Gene Summary:</b>	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]