

## Product datasheet for **MC207032**

### Eif5a (NM\_001166596) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Eif5a (NM\_001166596) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Eif5a  
**Synonyms:** AA410058; D19Wsu54; D19Wsu54e; eIF-4D; eIF-5A; eIF-5A-1; eIF-5A1; Eif4d; Eif5a1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC207032 representing NM\_001166596  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCAGATGATTTGGACTTCGAGACAGGAGATGCAGGGCCTCAGCCACCTTCCAATGCAGTGCTCAG  
CATTACGTAAGAATGGTTTTGTGGTGCTCAAAGCCGGCCATGTAAGATCGTCGAGATGTCTACTTCGAA  
GACTGGCAAGCATGGCCATGCCAAGGTCCATCTGGTTGGCATTGACATTTTACTGGGAAGAAATATGAA  
GATATCTGCCCGTCAACTCATAATATGGATGTCCCAACATCAAACGGAATGACTTCCAGCTGATTGGCA  
TCCAGGATGGGTACCTATCCCTGCTCCAGGACAGTGGGGAGGTACGAGAGGACCTTCGTCTGCCTGAAGG  
AGACCTTGGCAAGGAGATTGAGCAGAAGTATGACTGTGGAGAAGAGATCCTGATCACAGTGTCTGTGCC  
ATGACAGAGGAGGCAGCTGTTGCAATCAAGGCCATGGCAAAAT**TAA**

**ACGGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001166596  
**Insert Size:** 465 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_001166596.1</u> , <u>NP_001160068.1</u>
<b>RefSeq Size:</b>	1293 bp
<b>RefSeq ORF:</b>	465 bp
<b>Locus ID:</b>	276770
<b>UniProt ID:</b>	<u>P63242</u>
<b>Cytogenetics:</b>	11 B3
<b>Gene Summary:</b>	<p>This gene encodes an elongation initiation factor, which participates in protein synthesis. The encoded protein also plays roles in mRNA metabolism, cell proliferation, and cell cycle control. This protein contains a modified lysine residue called hypusine, which appears to be necessary for its function. Alternatively spliced transcript variants have been described. Related pseudogenes exist on chromosomes 2, 5, and 19. [provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (9) differs in the 5' UTR compared to variant 1. Variants 1-9 encode the same protein.</p>