

## Product datasheet for **RN215547**

### Eif5a (NM\_001033681) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Eif5a (NM\_001033681) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Eif5a  
**Synonyms:** MGC124873  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN215547 representing NM\_001033681  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCAGATGATTTGGACTTCGAGACAGGAGATGCAGGGCCTCAGCCACCTTCCAATGCAGTGCTCAG  
CATTACGTAAGAATGGTTTTGTGGTGCTCAAGGCGGCCATGTAAGATCGTCGAGATGTCTACTTCGAA  
GACTGGCAAGCATGGCCATGCCAAGGTCCATCTGGTTGGTATTGATATTTTTACTGGGAAGAAATATGAA  
GATATCTGCCCGTCGACTCATAACATGGATGTCCCAACATCAAAGGAATGATTTCCAGCTGATTGGCA  
TCCAGGATGGGTACCTATCCCTGCTCCAGGACAGTGGGGAGGTACGAGAGGACCTTCGTCTGCCTGAGGG  
AGACCTTGGCAAGGAGATTGAGCAGAAGTATGACTGTGGAGAAGAGATCCTGATCACAGTGCTGTCCGCC  
ATGACAGAGGAGGCAGCTGTTGCAATCAAGGCCATGGCAAAAT**TAA**

**ACGGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001033681  
**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><a href="#">NM_001033681.1</a></u> , <u><a href="#">NP_001028853.1</a></u>
<b>RefSeq Size:</b>	1213 bp
<b>RefSeq ORF:</b>	465 bp
<b>Locus ID:</b>	287444
<b>UniProt ID:</b>	<u><a href="#">Q3T1J1</a></u>
<b>Cytogenetics:</b>	10q24
<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. With syntenin SDCBP, functions as a regulator of p53/TP53 and p53/TP53-dependent apoptosis. Regulates also TNF-alpha-mediated apoptosis. Mediates effects of polyamines on neuronal process extension and survival (By similarity). May play an important role in brain development and function, and in skeletal muscle stem cell differentiation.[UniProtKB/Swiss-Prot Function]