

## Product datasheet for **MG226074**

### Eif5a (NM\_001166594) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Eif5a (NM\_001166594) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Eif5a  
**Synonyms:** AA410058; D19Wsu54; D19Wsu54e; eIF-4D; eIF-5A; eIF-5A-1; eIF-5A1; Eif4d; Eif5a1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG226074 representing NM\_001166594  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGATGATTTGGACTTCGAGACAGGAGATGCAGGGGCCCTCAGCCACCTTCCCAATGCAGTGCTCAG  
CATTACGTAAGAATGGTTTTGTGGTGCTCAAAGGCCGGCCATGTAAGATCGTCGAGATGTCTACTTCGAA  
GACTGGCAAGCATGGCCATGCCAAGTCCATCTGGTTGGCATTGACATTTTTACTGGGAAGAAATATGAA  
GATATCTGCCCGTCGACTCATAATGGATGTCCCAACATCAAACGGAATGACTTCCAGCTGATTGGCA  
TCCAGGATGGGTACCTATCCCTGCTCCAGGACAGTGGGAGGTACGAGAGGACCTTCGCTGCCTGAAGG  
AGACCTTGCCAAGGAGATTGAGCAGAAGTATGACTGTGGAGAAGAGATCCTGATCACAGTGTCTGCC  
ATGACAGAGGAGGCAGCTGTTGCAATCAAGGCCATGGCAAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG226074 representing NM\_001166594  
 Red=Cloning site Green=Tags(s)

MADDLDFETGDAGASATFPMQCSALRKNGFVVLKGRPCKIVEMSTSKTGKHGAKVHLVGIDIFTGKKYE  
DICPSTHNMDVPIKRNDFQLIGIQDGYLSLLQDSGEVREDLRLPEGDLKEIEQKYDCGEEILITVLSA  
MTEEAAVAIAKAMAK

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

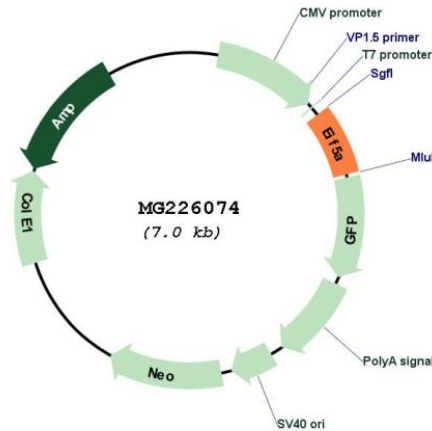


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001166594

ORF Size: 462 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<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_001166594.1, NP_001160066.1</u>
<b>RefSeq Size:</b>	1284 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>	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]