

## Product datasheet for **RG206249**

### EIF5A2 (NM\_020390) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** EIF5A2 (NM\_020390) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** EIF5A2  
**Synonyms:** EIF-5A2; eIF5AII  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG206249 representing NM\_020390  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGACGAAATTGATTTCACTACTGGAGATGCCGGGGCTTCCAGCACTTACCCTATGCAGTGCTCGG  
CCTTGCACAAAACGGCTTCGTGGTGCTCAAAGGACGACCATGCAAAATAGTGGAGATGTCAACTCCAA  
AACTGAAAGCATGGTCATGCCAAGGTTACCTTGTGGAAATGATATTTTCACGGGCAAAAATATGAA  
GATATTTGTCCTTCTACTACAACATGGATGTTCAAATATTAAGAGAAATGATTATCAACTGATATGCA  
TTCAAGATGGTTACCTTCCCTGCTGACAGAACTGGTGAAGTTCGTGAGGATCTTAAACTGCCAGAAGG  
TGAAGTAGGCAAAGAAATAGAGGGAAAATACAATGCAGGTGAAGATGTACAGGTGTCTGTCATGTGTGCA  
ATGAGTGAAGAATATGCTGTAGCCATAAAACCTGCAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG206249 representing NM\_020390  
Red=Cloning site Green=Tags(s)

MAEIDFTTG DAGASSTYPMQCSALRKNGFVVLKGRPCKIVEMSTSKTGKHGAKVHLVGIDIFTGKKYE  
DICPSTHNMDVPIKRNQYLICIQDGYLSLLTETGEVREDLKLPEGELKEIEGKYNAGEDVQVSVMCA  
MSEYAVAIAKPKK

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_020390.6](#)

**RefSeq Size:** 5537 bp

**RefSeq ORF:** 462 bp

**Locus ID:** 56648

**UniProt ID:** [Q9GZV4](#)

**Cytogenetics:** 3q26.2

**Gene Summary:** 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]

### Product images:



Circular map for RG206249