

Product datasheet for MG226065

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Eif5a (NM_001166592) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Eif5a (NM_001166592) 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 >MG226065 representing NM_001166592
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGACAGAGGAGGCAGCTGTTGCAATCAAGGCCATGGCAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG226065 representing NM_001166592

Red=Cloning site Green=Tags(s)

MADDLDFETGDAGASATFPMQCSALRKNGFVVLKGRPCKIVEMSTSKTGKHGHAKVHLVGIDIFTGKKYE DICPSTHNMDVPNIKRNDFQLIGIQDGYLSLLQDSGEVREDLRLPEGDLGKEIEQKYDCGEEILITVLSA

MTEEAAVAIKAMAK

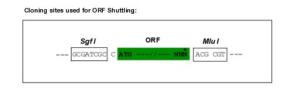
TRTRPLE - GFP Tag - V

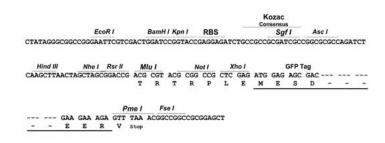
Restriction Sites: Sgfl-Mlul



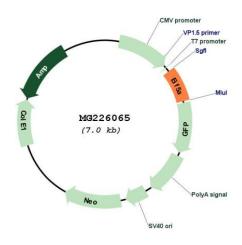


Cloning Scheme:





Plasmid Map:



ACCN: NM 001166592

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.



Components: 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).

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: <u>NM 001166592.1</u>, <u>NP 001160064.1</u>

RefSeq Size: 1378 bp
RefSeq ORF: 465 bp
Locus ID: 276770
UniProt ID: P63242
Cytogenetics: 11 B3

Gene Summary: 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]