

Product datasheet for **MC216235**

Eef1a2 (NM_007906) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eef1a2 (NM_007906) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eef1a2
Synonyms:	Eef1a; EEf1AL; S1; STN; wasted; wst
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216235 representing NM_007906
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCAAGGAGAAGACACACATCAACATTGTGGTCATTGGCCACGTGGACTCAGGCAAGTCCACCACGA
 CAGGCCACCTCATCTACAAGTGTGGTGGCATCGACAAGCGGACCATCGAGAAGTTTGAGAAGGAGGCAGC
 AGAGATGGGGAAGGGCTCTTTAAATATGCCTGGGTGCTGGACAAGCTGAAGGCCGAGCGGGAACGAGGC
 ATCACCATCGACATCTCCCTCTGGAAGTTTGAGACCACCAAGTACTACATCACCATCATCGATGCTCCAG
 GACACCGAGACTTCATCAAGAATATGATTACAGGCACATCCCAGGCGGACTGCGCAGTGTGATCGTGGC
 AGCCGGTGTGGGCGAGTTTGAGGCGGGCATCTCCAAGAACGGGCAAAACCCGGGAACCGCACTCTGGCC
 TACTCTGGGTGTGAAGCAGCTCATTGTGGGTGTCAACAAGATGGACTCCACGGAACAGCCTACAGCG
 AGAAGCGCTATGATGAGATTGTTAAGGAGGTGAGCGCCTACATCAAGAAGATCGGCTACAACCCAGCCAC
 GGTGCCCTTCGTGCCATCTCGGGCTGGCATGGTGACAACATGCTGGAGCCTTACCTAATATGCCATGG
 TTCAAGGGCTGGAAGTAGAGCGTAAGGAAGGAAATGCAAGCGGCGTGTCCCTGCTGGAAGCCCTGGACA
 CAATCCTGCCCCCAACCCGCCCACTGACAAGCCCTTCGCTGCCTCTGCAGGATGTGTACAAGATTGG
 GGGCATTGGGACCGTGCCTGTGGGCCGAGTGGAGACCGGTATCCTCCGGCCTGGTATGGTGGTGACCTTT
 GCGCCAGTCAACATCACCACAGAGGTGAAGTCTGTGAAATGCACCATGAGGCACCTAGCGAGGCCCTGC
 CTGGTGACAATGTCGGGTTCAATGTGAAGAATGTGCCGTTAAGGATATTCGCCGGGGCAATGTCTGCGG
 GGACAGCAAAGCTGACCCGCCTCAGGAGGCTGCCAGTTCACCTCTCAGGTTATCATCTGAACCCACT
 GGGCAAATCAGCGCTGGCTACTCGCCAGTATCGACTGTCACACGGCCACATTGCCTGCAAGTTTGCCG
 AGCTAAAGGAGAAGATTGACCGTCTGTTCTGGCAAGAAGCTGGAGGATAACCCCAAGTCCCTGAAGTCTGG
 TGATGCAGCCATTGTTGAGATGGTCCCTGGAAAACCCATGTGTGGAGAGCTTCTCACAGTACCCACCT
 CTCGGCCGCTTCGCCGTGCGCGACATGCGGCAGACTGTGGCCGTGGGCGTCATCAAGAACGTGGAGAAGA
 AGAGCGCGCGCAGGCAAGGTCAACAAGTCCGCACAGAAGGCTCAGAAAAGCGGGCAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_007906

Insert Size: 1392 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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: [NM_007906.2](#), [NP_031932.1](#)

RefSeq Size: 2111 bp

RefSeq ORF: 1392 bp

Locus ID: 13628

UniProt ID: [P62631](#)

Cytogenetics: 2 103.6 cM

Gene Summary: This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.[UniProtKB/Swiss-Prot Function]