

Product datasheet for **MR207396**

Eef1a2 (NM_007906) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eef1a2 (NM_007906) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eef1a2
Synonyms:	Eef1a; EEF1AL; S1; STN; wasted; wst
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207396 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCAAGGAGAAGACACACATCAACATTGTGGTCAATTGGCCACGTGGACTCAGGCAAGTCCACCACGA
 CAGGCCACCTCATCTACAAGTGTGGTGGCATCGACAAGCGGACCATCGAGAAGTTTGAGAAGGAGGCAGC
 AGAGATGGGGAAGGGCTCTTTAAATATGCCTGGGTGCTGGACAAGCTGAAGGCCGAGCGGGAACGAGGC
 ATCACCATCGACATCTCCCTCTGGAAGTTTGAGACCACCAAGTACTACATCACCATCATCGATGCTCCAG
 GACACCGAGACTTCATCAAGAATATGATTACAGGCACATCCCAGGCGGACTGCGCAGTGTGATCGTGGC
 AGCCGGTGTGGGCGAGTTTGAGGCGGGCATCTCCAAGAACGGGCAAAACCCGGGAACCGCACTCTGGCC
 TACACTCTGGGTGTGAAGCAGCTCATTGTGGTGTCAACAAGATGGACTCCACGGAACAGCCTACAGCG
 AGAAGCGCTATGATGAGATTGTTAAGGAGGTCAAGCCTACATCAAGAAGATCGGCTACAACCCAGCCAC
 GGTGCCCTTCGTGCCATCTCGGCTGGCATGGTGACAACATGCTGGAGCCTTCACTAATATGCCATGG
 TTCAAGGGCTGGAAGTAGAGCGTAAGGAAGGAAATGCAAGCGGCGTGTCCCTGCTGGAAGCCCTGGACA
 CAATCCTGCCCCCAACCCGCCCACTGACAAGCCCTTCGTCTGCCTCTGCAGGATGTGTACAAGATTGG
 GGGCATTGGGACCGTGCCTGTGGCCGAGTGGAGACCGGTATCCTCCGGCCTGGTATGGTGGTGACCTTT
 GCGCCAGTCAACATCACACAGAGGTGAAGTCTGTGGAATGCACCATGAGGCACCTAGCGAGGCCCTGC
 CTGGTGACAATGTCGGTTCAATGTGAAGAATGTGTCCGTTAAGGATATTCGCCGGGGCAATGTCTGCGG
 GGACAGCAAAGCTGACCCGCCTCAGGAGGCTGCCAGTTCACCTCTCAGGTTATCATCTGAACCACT
 GGGCAAATCAGCGCTGGTACTCGCCAGTCACTGACTGTACACGCGCCACATTCCTGCAAGTTTGCCG
 AGCTAAAGGAGAAGATTGACCGTCTGCTGGCAAGAAGCTGGAGGATAACCCCAAGTCCCTGAAGTTGCGG
 TGATGCAGCCATTGTTGAGATGGTCCCTGGAAAACCCATGTGTGTGGAGAGCTTCTCACAGTACCCACCT
 CTCGGCCGCTTCGCCGTGCGCGACATGCGGCAGACTGTGGCCGTGGGCGTCATCAAGAAGCTGGAGAAGA
 AGAGCGCGCGCAGGCAAGGTCAACAAGTCCGCACAGAAGGCTCAGAAAAGCGGGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207396 protein sequence
 Red=Cloning site Green=Tags(s)

MGKEKTHINIVVIGHVDSGKSTTTGHLIYKCGGIDKRTIEKFEKEAAEMGKGSFKYAWVLDKLAERER
 ITIDISLWKFFETTKYYITIIDAPGHRDFIKNMITGTSQADCAVLIVAAGVGEFEAGISKNGQTRHALLA
 YTLGVKQLIVGVNKMDSTEPAYSEKRYDEIVKEVSAYIKKIGYNPATVPFVPI SGWHGDNMLEPSNMPW
 FKGWKVERKEGNASGVSLLEALDTILPPTRPDKPLRLPLQDVYKIGGIGTVPVGRVETGILRPGMVVTF
 APVNITTEVKSVMHHEALSEALPGDNVGFNVKNVSVKDIRRGNVCGDSKADPPQEAQFTSQVILNHP
 GQISAGYSPVIDCHTAHIACKFAELKEKIDRRSGKLEDPKSLKSGDAAIVEMVPGKPMCVESFSQYPP
 LGRFAVRDMRQTVAVGVIKNVEKKSGGAGKVTKSAQKAQKAGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_007906

ORF 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](#)

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: [NM_007906.3](#)

RefSeq Size: 2111 bp

RefSeq ORF: 1392 bp

Locus ID: 13628

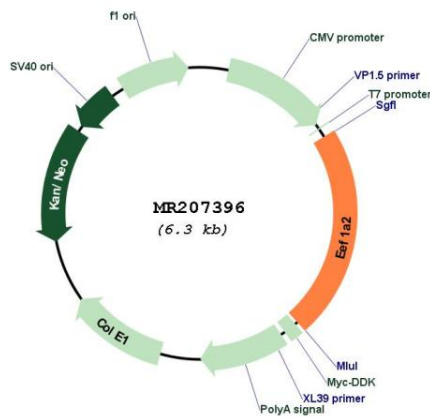
UniProt ID: [P62631](#)

Cytogenetics: 2 103.6 cM

MW: 50.5 kDa

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]

Product images:



Circular map for MR207396