

Product datasheet for **MR220591**

Eef1g (NM_026007) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eef1g (NM_026007) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eef1g
Synonyms:	2610301D06Rik; AA407312; EF1G
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR220591 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGCTGGGACCCTGTACACATACCCTGAAAATTGGAGGGCCTTCAAGGCCCTCATCGCTGCTCAGT
 ACAGCGGGCTCAGGTCCGCGTCTCTCCGACCAACCCACTTCCACTTTGGCCAAACCAACCGCACCCC
 TGAATTTCTCCGAAAATTTCTGCGCGCAAGGTTCCAGCATTGAGGGTATGATGGATTCTGTGTGTT
 GAGAGCAATGCCATTGCCTATTATGTAAGCAATGAAGAGCTGCGAGGAAGTACGCCAGAGCGGCAGCTC
 AGGTGGTGCAGTGGGTCAGCTTTGCTGACAGTGACATCGTTCTCCAGCTAGTACCTGGGTGTTCCCCAC
 CTTGGGCATTATGCACCACAACAACAGGCCACTGAAAATGCGAAAGAGGAGGTGAAGCGAATCCTGGGG
 CTGCTGGACACTCACTGAAGACTCGAACTTTTCTAGTGGCGAGCGAGTGACACTGGCTGATATTACAG
 TTGTCTGTACCCTGTTGGCTCTATAACAGGCTTAGAGCCTTCTTTTCGCCAGGCCCTCCCAATAC
 CAACCGGTGGTTCCTTACCTGCATTAACAGCCCCAGTTCAGGGCTATCTTGGGGAGGTGAAGCTGTGT
 GAGAAGATGGCTCAGTTTGTGCTAAGAAGTTTGAGAGAGCCAGCCTAAAAAGATACCCAAGGAAAG
 AAAAGGGTTCACGAGAGGAGAAAACAGAAACCCAGGCTGAGCGGAAGGAGAAAAAAGGAGCTGCCCC
 AGCTCCTGAGGAAGAGATGGATGAGTGTGAGCAGGCATTGGCTGCTGAGCCCAAGGCCAAGGACCCTTTC
 GCTCACCTGCCAAGAGTACCTTTGTGTTGGATGAGTTTAAAGCGTAAGTACTCCAATGAGGACACCCCTCT
 CTGTGGCACTGCCATATTTTGGGAGCACTTTGATAAAGATGGCTGGTCCCTGTGGTATGCCGAGTACCG
 CTTCCCTGAAGAGCTGACCCAGACCTTCATGAGTTGCAACCTCATCACTGGGATGTTTCAGCGATTGGAC
 AAATGAGGAAGAATGCCTTTGCTAGTGTATCCTCTTTGGAACCAACAACAGCAGCTCCATTTCTGGTG
 TTTGGGCTTCCGAGGCCAAGAGCTTGCCTTTCCGCTGAGTCCAGATTGGCAGGTGGACTATGAGTCGTA
 TACATGGCGGAAACTGGATCCTGGGAGCGAGAAACCCAGACCCTGGTTCGAGAGTACTTTTCTGGGAG
 GGGACCTTCCAGCATGTGGGCAAAGCCGCAATCAAGGCAAGATCTTCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220591 protein sequence
 Red=Cloning site Green=Tags(s)

MAAGTLTYYPENWRAFKALIAAQYSGAQVRVLSAPPHFHFGQTNRTPEFLRKFPAGKVPAPFEGDDGFCVF
 ESNAIAYVVSNEELRGSTPEAAAQVVQWVSFADSDIVPPASTWVFPTLGIMHNNKQATENAKEEVKRIIG
 LLDTHLKTRTFLVGERVTLADITVVCTLLWLKQVLEPSFRQAFPNTRWFLTCINQPQFRAILGEVKLC
 EKMAQFDKAKFAESQPKDTPRKEKGSREEKQKPQAERKEEKAAAPAPEEEMDECEQALAAEPKAKDPF
 AHLPKSTFVLDEFKRKYSNEDTLSVALPYWEHFDKDGWSLWYAEYRFPPEELTQTFMSCNLITGMFQRLD
 KLRKNAFASVILFGTNNSSISGVWVFRQELAFPLSPDWQVDYESTYWRKLDPGSEETQTLVREYFSWE
 GTFQHVKGAVNQKIFK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_026007

ORF Size: 1314 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: [NM_026007.2](#), [NM_026007.3](#), [NM_026007.4](#), [NP_080283.3](#)
RefSeq Size: 1565 bp

RefSeq ORF: 1314 bp

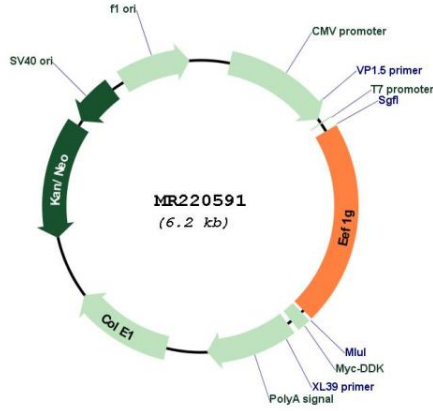
Locus ID: 67160

UniProt ID: [Q9D8N0](#)
Cytogenetics: 19 A

MW: 50.1 kDa

Gene Summary: Probably plays a role in anchoring the complex to other cellular components.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220591