

Product datasheet for **MG220591**

Eef1g (NM_026007) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eef1g (NM_026007) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Eef1g
Synonyms:	2610301D06Rik; AA407312; EF1G
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220591 representing NM_026007 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCTGGGACCCTGTACACATACCCTGAAAATTGGAGGGCCTTCAAGGCCCTCATCGCTGCTCAGT
ACAGCGGGGCTCAGGTCGCGTCTCCGCCACCACCCACTTCCACTTTGGCCAAACCAACCGCACCCC
TGAATTTCTCGAAAATTTCTGCCGGCAAGGTTCCAGCATTTGAGGGTATGATGGATTCTGTGTGTT
GAGAGCAATGCCATTGCCTATTATGTAAGCAATGAAGAGCTGCGAGGAAGTACGCCAGAGCGGCAGCTC
AGGTGGTGCAGTGGTCACTTTGCTGACAGTGACATCGTTCCTCCAGCTAGTACCTGGGTGTTCCCCAC
CTTGGGCATTATGCACCACAACAAACAGGCCACTGAAAATGCGAAAGAGGAGGTGAAGCGAATCCTGGGG
CTGCTGGACACTCACTTGAAGACTCGAACTTTTCTAGTGGCGAGCGAGTGACACTGGCTGATATTACAG
TTGTCTGTACCCTGTTGTGGCTCTATAACAGGCTTAGAGCCTTCTTTTCGCCAGGCCCTCCCCAATAC
CAACCGGTGGTTCCTTACCTGCATTAACCAGCCCCAGTTCAGGGCTATCTTGGGGAGGTGAAGCTGTGT
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AAAAGGGTTCACGAGAGGAGAAACAGAAACCCAGGCTGAGCGGAAGGAGGAAAAAAGGCAGCTGCCCC
AGCTCCTGAGGAAGAGATGGATGAGTGTGAGCAGGCATTGGCTGCTGAGCCCAAGGCCAAGGACCCCTTC
GCTCACCTGCCAAGAGTACCTTTGTGTTGATGAGTTTAAGCGTAAGTACTCCAATGAGGACACCCCTCT
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AAACTGAGGAAGAATGCCTTTGCTAGTGTATCCTCTTTTGAACCAACAACAGCAGCTCCATTTCTGGTG
TTTGGGTCTTCGAGGCCAAGAGCTTGCCTTTCCGCTGAGTCCAGATTGGCAGGTGGACTATGAGTCGTA
TACATGGCGAAACTGGATCCTGGGAGCGAGGAAACCCAGACCCTGGTTCGAGAGTACTTTTCTGGGAG
GGGACCTCCAGCATGTGGGCAAGCCGTCATCAAGGCAAGATCTTCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220591 representing NM_026007
 Red=Cloning site Green=Tags(s)

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MAAGTLTYYPENWRAFKALIAAQYSGAQVRVLSAPPHFHFGQTNRTPEFLRKFPAGKVPAPFEGDDGFCVF
ESNAIAYYVSNEELRGSTPEAAAQVVQVVSFADSDIVPPASTWVFPPTLGIMHMKQATENAKKEEVKRILG
LLDTHLKRTRFLVGERVTLADITVVCTLLWLKQVLEPSFRQAFPNTRWFLTCINQPQFRAILGEVKLC
EKMAQFDAKKFAESQPKKDTPRKEKGSREEKQKPKQAERKEEKAAPAPEEEMDECEQALAAEPKAKDPF
AHLPKSTFVLDEFKRKYSNEDTLSVALPYFWEHFDKDGWSLWYAEYRFPPEELTQTFMSCNLITGMFQRLD
KLRKNAFASVILFGTNNSSSISGVWVFRGQELAFPLSPDWQVDYESYTWKRLDPGSEETQTLVREYFSWE
GTFQHVKGAVNQKIFK
  
```

TRTRPLE – GFP Tag – V

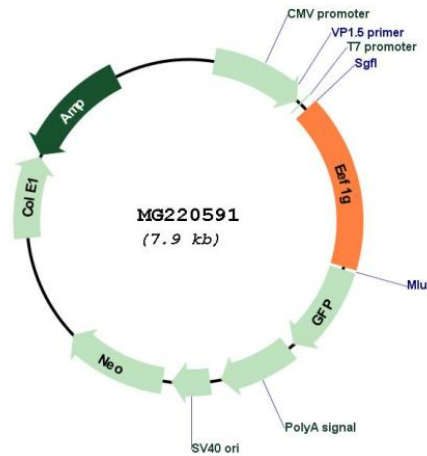
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_026007

ORF Size:	1311 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:	<ol style="list-style-type: none">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_026007.4 , NP_080283.3
RefSeq Size:	1565 bp
RefSeq ORF:	1314 bp
Locus ID:	67160
UniProt ID:	Q9D8N0
Cytogenetics:	19 A
Gene Summary:	Probably plays a role in anchoring the complex to other cellular components. [UniProtKB/Swiss-Prot Function]