

Product datasheet for **MG204550**

Eef1g (BC023495) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eef1g (BC023495) 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:	>MG204550 representing BC023495 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACCACAACAACAGGCCACTGAAAATGCGAAAGAGGAGGTGAAGCGAATCCTGGGGCTGCTGGACA
CTCACTTGAAGACTCGAACTTTTCTAGTGGGCGAGCGAGTGACTGGCTGATATTACAGTTGTCTGTAC
CCTGTTGGCTCTATAAACAGGCTTAGAGCCTTCTTTTCGCCAGGCCCTCCCAATACCAACCGGTGG
TTCCTTACCTGCATTAACCAGCCCCAGTTCAGGGCTATCTTGGGGAGGTGAAGCTGTGTGAGAAGATGG
CTCAGTTTGATGCTAAGAAAGTTTGCAGAGAGCCAGCCTAAAAAAGATACCCAAGGAAAGAAAAGGGTTC
ACGAGAGGAGAAAACAGAAACCCAGGCTGAGCGGAAGGAGGAAAAAAGGCAGCTGCCCCAGCTCCCTGAG
GAAGAGATGGATGAGTGTGAGCAGGCATTGGCTGCTGAGCCCAAGGCCAAGGACCCTTTCGCTCACCTGC
CCAAGAGTACCTTTGTGTTGGATGAGTTTAAGCGTAAGTACTCCAATGAGGACACCCTCTCTGTGGCACT
GCCATATTTTTGGGAGCACTTTGATAAAGATGGCTGGTCCCTGTGGTATGCCGAGTACCGCTTCCCTGAA
GAGCTGACCCAGACCTTCATGAGTTGCAACCTCATCACTGGGATGTTTCAGCGATTGGACAACTGAGGA
AGAATGCCTTTGCTAGTGTATCCTCTTTGGAACCAACAACAGCAGCTCCATTTCTGGTGTGGTCTT
CCGAGGCCAAGAGCTTGCCTTTCCGCTGAGTCCAGATTGGCAGGTGGACTATGAGTCGTATACATGGCGG
AAACTGGATCCTGGGAGCGAGGAAACCCAGACCCTGGTTCGAGAGTACTTTTCTGGGAGGGGACCTTCC
AGCATGTGGGCAAAGCCGTCATCAAGCAAGATCTTCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204550 representing BC023495
Red=Cloning site Green=Tags(s)

MHHNKQATENAKEEVKRILGLLDTHLKRTRFLVGERVTLADITVVCTLLWLYKQVLEPSFRQAFPNTNRW
 FLTCINQPQFRAILGEVKLCEKMAQFDAKKFAESQPKKDTPRKEKGSREEKQKPQAEKKEKAAAPAPE
 EEMDECEQALAAEPKAKDPFAHLPKSTFVLDEFKRKYSNEDTLSVALPYFWEHFDKDGWSLWYAEYRFPE
 ELTQTFMSCNLIITGMFQRLDKLRKNFAVSVILFGTNNSSISGVWVFRGQELAFPLSPDWQVDYESYTW
 KLDPGSEETQTLVREYFSWEGTFQHVGVKAVNQGIK

TRTRPLE - GFP Tag - V

Restriction Sites:

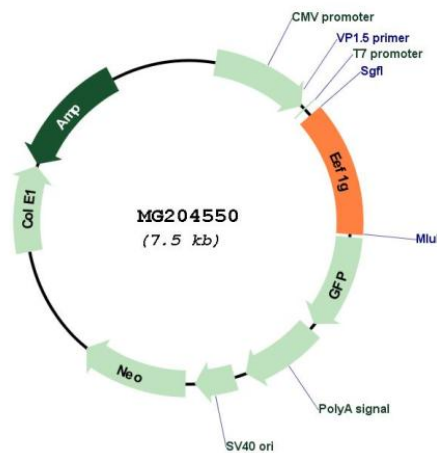
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC023495

ORF Size: 953 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:	BC023495 , AAH23495
RefSeq Size:	1391 bp
RefSeq ORF:	953 bp
Locus ID:	67160
Cytogenetics:	19 A
Gene Summary:	Probably plays a role in anchoring the complex to other cellular components. [UniProtKB/Swiss-Prot Function]