

Product datasheet for **MG202639**

Eef1b2 (NM_018796) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Eef1b2 (NM_018796) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Eef1b2
 Synonyms: 2810017J07Rik; Eef1b
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >MG202639 representing NM_018796
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGATTCGGAGACCTGAAAACCCCTGCCGGCCTCCAGGTGCTCAACGATTACCTGGCGGACAAGAGCT
 ACATTGAGGGGTACGTGCCATCACAAGCAGACGTGGCAGTATTTGAAGCAGTTTCTGGTCCACCACCTGC
 TGACCTGTGTATGCCCTACGTTGGTATAATCACATCAAGTCGTATGAAAAAGAAAAGGCCAGCCTGCCG
 GGAGTGAAGAAATCTTTGGCAAGTATGGCCCTAGCAGTGTAGAAGACACCACAGGAAGTGGAGCTGCAG
 ATGCTAAGGATGATGACGACATTGATCTCTTTGGATCTGATGATGAGGAGGAAAGTGGAGGAAAGAA
 GCTACGAGAAGAAGCCTTGCACAGTATGAGTCCAAGAAAGCTAAAAAGCCTGCAGTTGTTGCGAAGTCT
 TCCATCCTACTAGACGTGAAGCCTTGGGATGATGAGACGGACATGACAAAAGTAGAGGAGTGTGTCCGAA
 GCATTCAAGCAGATGGCCTGGTGTGGGGCTCCTCTAAATTGGTCCAGTGGGATATGGAATTAAGAAAGCT
 TCAAATACAGTGTGTAGTTGAAGATGATAAGGTTGGAACGGATATGCTGGAAGAGCAAATTAAGCTTTT
 GAGGACTACGTACAGTCCATGGATGTGGCTGCTTTTAAACAAGATT

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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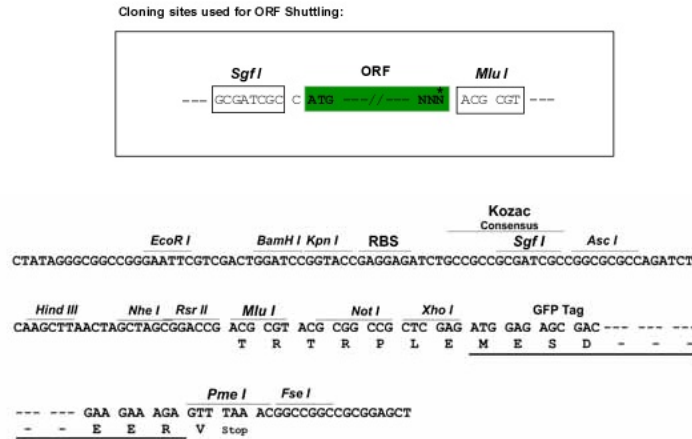
Protein Sequence: >MG202639 representing NM_018796
Red=Cloning site Green=Tags(s)

MGFGDLKTPAGLQVLNDYLADKSYIEGYVPSQADVAVFEAVSGPPPADLCHALRWYNHIKSYEKEKASLP
 GVKKSLLGKYGPSSVEDTTGSGAADA KDDDDIDLFGSDDEEES EAKKLR EERLAQYESKKAKKPAVVAKS
 SILLDVKPWDDETDMTKLEECVRSIQADGLVWGSSKLVVPGYGIKKLQIQCVVEDDKVGTMDLLEEQITAF
 EDYVQSM DVAAFNKI

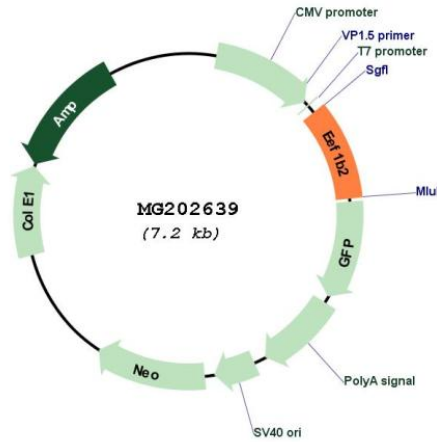
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_018796

ORF Size: 675 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_018796.3
RefSeq Size:	857 bp
RefSeq ORF:	678 bp
Locus ID:	55949
UniProt ID:	O70251
Cytogenetics:	1 C2
Gene Summary:	EF-1-beta and EF-1-delta stimulate the exchange of GDP bound to EF-1-alpha to GTP. [UniProtKB/Swiss-Prot Function]