

Product datasheet for **RG200733**

EEF1B2 (NM_021121) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EEF1B2 (NM_021121) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EEF1B2
Synonyms:	EEF1B; EEF1B1; EF1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200733 representing NM_021121 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTTTCGGAGACCTGAAAAGCCCTGCCGGCCTCCAGGTGCTCAACGATTACCTGGCGGACAAGAGCT
ACATCGAGGGGTATGTGCCATCACAAGCAGATGTGGCAGTATTTGAAGCCGTGTCCAGCCCACCGCCTGC
CGACTTGTGTATGCCCTACGTTGGTATAATCACATCAAGTCTTACGAAAAGGAAAAGGCCAGCCTGCCA
GGAGTGAAGAAAGCTTTGGCAAATATGGTCTGCCGATGTGGAAGACACTACAGGAAGTGGAGCTACAG
ATAGTAAAGATGATGATGACATTGACCTCTTTGGATCTGATGATGAGGAGGAAAGTGAAGAAGCAAAGAG
GCTAAGGGAAGAAGCTTGCACAATATGAATCAAAGAAAGCCAAAAACCTGCACCTTGTTCAGGAGTCT
TCCATCTTACTAGATGTGAAACCTTGGGATGATGAGACAGATATGGCGAAATTAGAGGAGTGCCTCAGAA
GCATTCAGCAGACGGCTTAGTCTGGGGCTCATCTAACTAGTTCAGTGGGATACGGAATTAAGAACT
TCAAATACAGTGTGTAGTTGAAGATGATAAAGTTGGAACAGATATGCTGGAGGAGCAGATCACTGCTTTT
GAGGACTATGTGCAGTCCATGGATGTGGCTGCTTCAACAAGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200733 representing NM_021121
 Red=Cloning site Green=Tags(s)

MGFGDLKSPAGLQVLNDYLADKSYIEGYVPSQADVAVFEAVSSPPADLCHALRWYNHIKSYEKEKASLP
 GVKKALGKYGPADVEDTTGSGATDSKDDDDIDLFGSDDEEESEEAKRLREERLAQYESKKAKKPALVAKS
 SILLDVKPWDEETDMAKLEECVRSIQADGLVWGS SKLVPVGYGIKKLQIQCVVEDDKVGTMDLLEEQITAF
 EDYVQSM DVAAFNKI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021121

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:

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_021121.3](#), [NP_066944.1](#)

RefSeq Size: 854 bp

RefSeq ORF: 678 bp

Locus ID: 1933

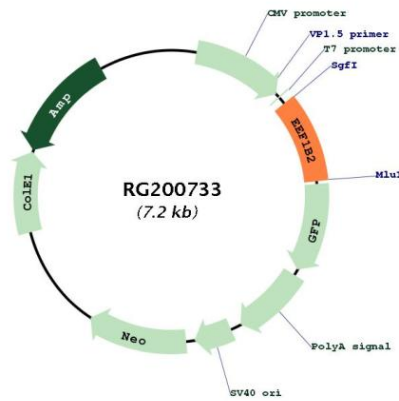
UniProt ID: [P24534](#)

Cytogenetics: 2q33.3

Domains: EF1BD

Gene Summary: This gene encodes a translation elongation factor. The protein is a guanine nucleotide exchange factor involved in the transfer of aminoacylated tRNAs to the ribosome. Alternative splicing results in three transcript variants which differ only in the 5' UTR. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG200733