

## Product datasheet for **RG239112**

### EIF4B (NM\_001300821) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EIF4B (NM_001300821) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EIF4B
Synonyms:	EIF-4B; PRO1843
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Cloning Scheme:**


**ACCN:** NM\_001300821

**ORF Size:** 1848 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).

**RefSeq:** [NM\\_001300821.2](#)

**RefSeq Size:** 4076 bp

**RefSeq ORF:** 1851 bp

**Locus ID:** 1975

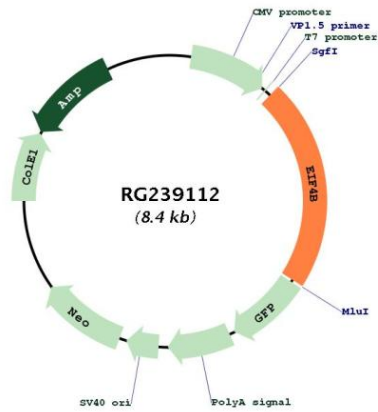
**Cytogenetics:** 12q13.13

**Protein Pathways:** mTOR signaling pathway

**MW:** 70.1 kDa

**Gene Summary:** Required for the binding of mRNA to ribosomes. Functions in close association with EIF4-F and EIF4-A. Binds near the 5'-terminal cap of mRNA in presence of EIF-4F and ATP. Promotes the ATPase activity and the ATP-dependent RNA unwinding activity of both EIF4-A and EIF4-F. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG239112