

Product datasheet for **MG219825**

Rpf2 (NM_001042556) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rpf2 (NM_001042556) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rpf2
Synonyms:	2810470K21Rik; AU040229; AU043242; Bxdc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG219825 representing NM_001042556 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGCTGATTAAGGCGGAAATGCAAATGCAACCGTGACACAAGTACTCAGAGACATGTATGCACTGAAGA
 AACCATATGGAGTTCTCTATAAAAGAAAAATATTACAAGACCATTGAGGATCAGACGTCACCTGGAGTT
 CTTTTCAAAGAAGTCAGACTGCTCTTTATTCATGTTGGCTCCCATACAAGAAGAGGCCAAATAACCTA
 GTAATAGGTCGTATGTATGACTACCATGTGCTGGATATGATTGAATTAGGTATTGAGAAATTTGTGTCTC
 TAAAAGATATTAAGACTAGTAAGTGCCCGAGGGAACAAAACCGATGTTGATATTTGCTGGTGATGATTT
 TGATGTAACAGAAAGACTTCAGAAGATTAATAAATCTTCTATTGATTTCTTCAGAGGCCCCACAGATATCG
 AACGTCGGCTGGCTGGATTAGAGTATGTTCTGCACTTCACTGCACTGAATGGGAAGGTTTACTTCCGAA
 GCTATAAGCTGCTGTTGAAGAAATCTGGGTGCAGAACCCGCGAATCGAGCTAGAAGAGATGGGACCATC
 ACTGGACCTGGTCATGAGGAGGACACCTAGCATCAGATGACCTTTATAAACTGTCCATGAAAGTGCCC
 AAGGCTCTCAAGCCAAAGAAGAGAAAGAATATCTCTCAGGATACTTTGGCACAACATTTGGAAGGATTC
 ATATGCAAAAGCAAGACTTAAGCAAATACAAACGAGGAAATGAAGGGTTGAAGAAGCGACCTGCAGA
 GAATGGAGTAGACGACGAGGGGAAAAAATCAAAGAGAATTAAGAAAAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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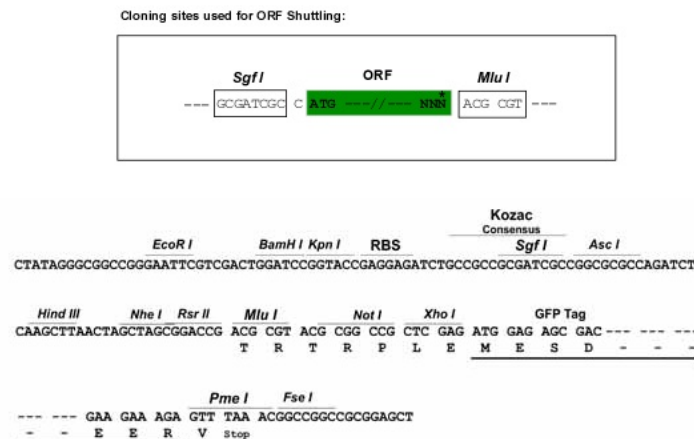
Protein Sequence: >MG219825 representing NM_001042556
 Red=Cloning site Green=Tags(s)

MLIKGGNANATVTQVLRDMYALKKPYGVLYKKKNITRPFEDQTSLEFFSKKSDCSLFMFGSHNKKRPNNL
 VIGRMYDYHVLDMIELGIEKFVSLKDIKTSKCPEGTKPMLIFAGDDFDVTEDFRRLKNLLIDFFRGPTVS
 NVRLAGLEYVLHFTALNGKVYFRSYKLLKKSGCRTPIELEEMGPSLDLVMRRTLASDDLYKLSMKVP
 KALKPKKRKNISQDTFGTTFGRIHMQQDL SKLQTRKMKGLKKRPAENGVDQDGKSKRIKKN

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001042556

ORF Size: 819 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_001042556.1](#), [NP_001036021.1](#)

RefSeq Size: 1830 bp

RefSeq ORF: 822 bp

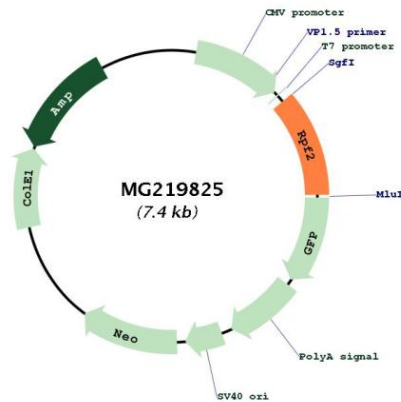
Locus ID: 67239

UniProt ID: [Q9J180](#)

Cytogenetics: 10 B1

Gene Summary: Involved in ribosomal large subunit assembly. May regulate the localization of the 5S RNP/5S ribonucleoprotein particle to the nucleolus.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG219825