

## Product datasheet for MR219825

### Rpf2 (NM\_001042556) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rpf2 (NM_001042556) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rpf2
Synonyms:	2810470K21Rik; AU040229; AU043242; Bxdc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219825 representing NM_001042556 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCTGATTAAGGCGGAAATGCAAATGCAACCGTGACACAAGTACTCAGAGACATGTATGCACTGAAGA  
AACCATATGGAGTTCTCTATAAAAAGAAAAATATTACAAGACATTTGAGGATCAGACGTCCTGGAGTT  
CTTTTCAAAGAAGTCAGACTGCTCTTTATTCATGTTTGGCTCCCATAACAAGAAGAGGCCAAATAACCTA  
GTAATAGGTCGTATGTATGACTACCATGTGCTGGATATGATTGAATTAGGTATTGAGAAATTTGTGTCTC  
TAAAAGATATTAAGACTAGTAAGTGCCCGAGGGAACAAAACCGATGTTGATATTTGCTGGTGATGATTT  
TGATGTAACAGAAGACTTCAGAAGATTAATAAATCTTCTTATTGATTTCTCAGAGGCCCCACAGTATCG  
AACGTCGGCTGGCTGGATTAGAGTATGTTCTGCACTTCACTGCACTGAATGGGAAGGTTTACTTCCGAA  
GCTATAAGCTGCTGTTGAAGAAATCTGGGTGCAGAACCCGCAATCGAGCTAGAAGAGATGGGACCATC  
ACTGGACCTGGTCATGAGGAGGACACACCTAGCATCAGATGACCTTTATAAACTGTCCATGAAAAGTGCC  
AAGGCTCTCAAGCCAAAGAAGAGAAAGAATATCTCTCAGGATACTTTTGGCACAACATTTGGAAGGATTC  
ATATGCAAAAGCAAGACTTAAGCAAACACAAACGAGGAAAATGAAGGGTTGAAGAAGCGACCTGCAGA  
GAATGGAGTAGACGACCAGGGGAAAAAATCAAAGAGAATTAAGAAAAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR219825 representing NM\_001042556  
 Red=Cloning site Green=Tags(s)

MLIKGGNANATVTQVLRDMYALKKPYGVLYKKNITRPFEDQTSLEFFSKKSDCSLFMFGSHNKKRPNNL  
 VIGRMYDYHVLDMIELGIEKFVSLKDIKTSKCEGTPMLIFAGDDFDVTEDFRRLKNLLIDFFRGPTVS  
 NVRLAGLEYVLHFTALNGKVYFRSYKLLLLKSGCRTPRIELEEMGPSLDLVMRRTLASDDLYKLSMKVP  
 KALKPKKRKNISQDTFGTTFGRIHMQKQDL SKLQTRKMKGLKKRPAENGVDQGGKSKRIKKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**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

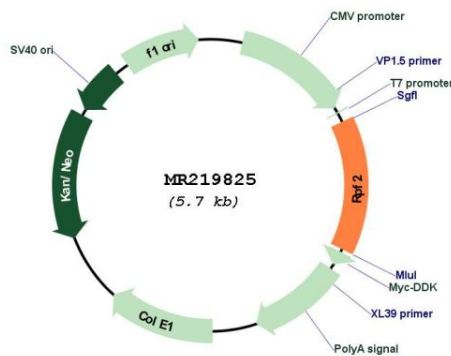
**UniProt ID:** [Q9JJ80](#)

**Cytogenetics:** 10 B1

**MW:** 31.9 kDa

**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 MR219825