

Product datasheet for **MR203854**

Rpf1 (NM_027371) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rpf1 (NM_027371) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rpf1
Synonyms: 2210420E24Rik; 2310066N05Rik; Bxdc5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR203854 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTACGCGGTGAAACAGCAGCAGCGGAAGGAAAAGTTGGCAGCTAAGAAAAACTTAAAAAGGAGA
GAGAGGCTCTGGCGATAAAGCTCCACCAAGCCTGTTCCCAAGACCATTGACAACCAGCGGTTTACGA
CGAGACCACAGTAGACCCCAATGATGAAGAGGTGGCTTACGATGAAGCGACGGATGAATTTGCTTCTTAC
TTCAACAGACAGACGTCTCCTAAGATTCTATCACAACGTCAGATAGACCTCATGGGAGAACAGTTCGAC
TCTGTGAGCAGCTCTCAACAGTTATACCAGATTCACATGTTTATTACAGACGAGGACTGGCTCTGAAAA
AATTATCCACAGTGCATTGCAAGAGATTTACAGACCTGATCGTTAATGAAGATCGTAAAACACCG
AATGGACTTATTTGAGTCATTTGCCAAACGGTCCAACCGCTCATTTTAAATGAGCAGTGTTCGTCTTC
GTAAAGAAATTAAGCGAAGAGGCAAAGACCCACAGAACATGTACCTGAGATAATTCTGAATAATTTTAC
CACACGGCTAGGCCATTCTATTGGACGCATGTTTGCTTCTCTTTCTCATAATCTCAATTTATTGGA
AGACAAGTTGCCACGTTCCACAATCAGCGAGATTACATCTTCTCAGGTTTCACAGATACATATTCAAGA
GTGAGAAGAAAGTGGGAATTCAGGAACCGGACCGTTCCTTAAATACGATCTCTTCAGAAGGG
CACTTTTGATTCTAAATATGGAGAGTACGAATGGTCCACAAGCCACGGGAAATGGATACAAGTCGAAGG
AAATCCACTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203854 protein sequence
 Red=Cloning site Green=Tags(s)

MFTRWKQQRKEKLAAKKKLKKEREALGDKAPPKVPKTI DNQRYVDETTVDPNDEEVAYDEATDEFASY
 FNRQTSPKILITTS DRPHGRTVRLCEQLSTVIPDSHVYRRLALKKIIPQCIARDFTDLIVINEDRKTP
 NGLILSHLPNGPTAHFKMSSVRLRKEIKRRGKDPTHEVPEIILNNFTTRLGHSIGRMFASLFPHPNQFIG
 RQVATFHNQRDYIFFRFHRYIFKSEKKVGIQELGPRFTLKL RSLQKGTFD SKYGEYEVVHKPREMDTSRR
 KFHL

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_027371

ORF Size: 855 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_027371.1](#), [NM_027371.2](#), [NP_081647.1](#)

RefSeq Size: 1293 bp

RefSeq ORF: 1050 bp

Locus ID: 70285

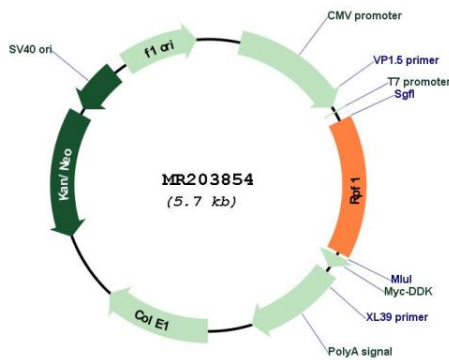
UniProt ID: [Q7TND5](#)

Cytogenetics: 3 H2

MW: 33.4 kDa

Gene Summary: May be required for ribosome biogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203854