

Product datasheet for **MR208002**

Prpf31 (NM_027328) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prpf31 (NM_027328) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prpf31
Synonyms:	1500019O16Rik; 2810404O06Rik; AW554706; PRP31; RP11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208002 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTCTGGCTGATGAGCTCTTGGCTGACCTCGAGGAGCAGCAGAAGAAGAGGAAGGAGGAAGCTATG
 GAGAAGAGGAGGAGGAGCCAGCAATTGAGGATGTACAGGAGGAGACCCAGCTGGATCTTTCTGGAGATTC
 AGTCAAGAGCATTGCCAAGCTATGGGACAGCAAGATGTTTCTGAGATCATGATGAAGATTGAGGAGTAT
 ATCAGCAAGCAAGCCAACCGCTCGGAAGTATGGGACCACTGGAGGCAGCTCCTGAGTACCGAGTCATTG
 TGGATGCCAACAACTGACTGTGGAGATAGAAAATGAGCTGAACATTATCCACAAGTTTATCCGGGATAA
 AACTCAAAGAGATTCCTGAGCTAGAATCCTTGGTGCCCAATGCTCTGGATTACATCCGCACAGTCAAG
 GAGCTGGGCAACAGCCTGGATAAGTGAAGAACAATGAGAACCTCCAGCAGATCCTGACCAATGCTACTA
 TCATGGTTGTTAGTGTACTGCCTCTACTACCCAGGGCAGCAGCTGTCCGATGAGGAGCTAGAGCGGCT
 AGAGGAGCGCTGTGACATGGCACTGGAGCTGAATGCCTCCAAACACCGCATCTATGAGTATGTGGAGTCC
 CGGATGTCCTTATTGCACCCAATTGTCCATCATCATTGGAGCATCCACAGCTGCCAAGATCATGGGTG
 TGGCTGGAGGGCTCACCAACCTCTAAGATGCCTGCCTGCAACATCATGCTGCTGGGAGCCAGCGCAA
 GACCCTGTCTGGCTTCTTCTACCTCAGTGTTCCTCATACTGGTTATATCTACCACAGTGACATTGTG
 CAGTCTCTGCCCCAGATCTCCGGCGGAAGGCGGCCCGCTAGTGGTGCCAAGTGTACACTGGCAGCTC
 GTGTGGACAGCTTCCATGAGAGCACAGAAGGGAAGGTGGGCTACGAACTAAAGGATGAGATTGAGCGCAA
 ATTTGATAAGTGGCAGGAGCCACCACCCGTGAAGCAGGTGAAGCCCTGCCTGCACCCCTTATGGGCGAG
 CGGAAGAAGCGAGGGGGCCGAAGTACCAGCAAGTGAAGGAACGGCTAGGACTGACGGAGATCCGGAAGC
 AGGCAACCCGATGAGCTTTGGAGAGATTGAGGAGGATGCCTATCAGGAAGACCTGGGCTTTAGCCTGGG
 CCACCTTGGCAAGTCAAGCAGTGGCGGTGTGCGGCAGACCCAGGTGAATGAGGCCACCAAGGCCAGGATC
 TCCAAGACACTGCAGCGGACCTTACAGAAACAGAGCGTGGTGTATGGTGGGAAGTCAACAATTCTGACC
 GCTCCTCAGGGACTGCCTCCAGTGTGGCCTTCACTCCACTCCAGGGTCTAGAGATTGTGAACCCACAAGC
 AGCCGAGAAGAAGGTGGCAGAGGCCAACAGAAAGTATTCTCTAGCATGGCCGAGTTCCTCAAGTCAAG
 GGTGAGAAAAGTGGCACCATGTCTACC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208002 protein sequence
 Red=Cloning site Green=Tags(s)

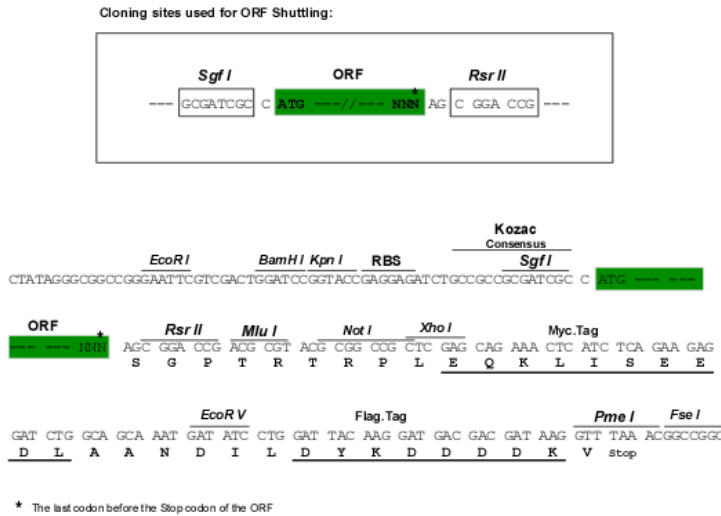
MSLADELLADLEEAEEEEEGGSYGEEEEPAIEDVQEETQLDL SGDSVKSI AKLWDSKMF AEIMMKIEEY
 ISKQANASEVMGPVEAAPEYRVI VDANNL TVEIENELNI IHKF IRDKYSKRFPELES LVPNALDY IRTVK
 ELGNSLDKCKNNENLQQIL TNATIMVSVTASTTQGGQLSDEELERLEEACDMALELNASKHRIYEVES
 RMSFIAPNLSIIIGASTAAKIMGVAGGLTNLSKMPACNIMLLGAQRKTL SGFSSTSVLPHTGYIYHSDIV
 QSLPPDLRRKAARLVAAKCTLAARVDSFHSTEGKVGVELKDEIERKFDKWQEPPEPVKQVKPLPAPLDGQ
 RKKRGGRRYRKMKERLGLTEIRKQANRMSFGEIEEDAYQEDLGFSLGHLGKSGSGRVRQTQVNEATKARI
 SKTLQRTLQKQSVVYGGKSTIRDRSSGTASSVAF TPLQGLEIVNPQAAEKKVAEANQKYFSSMAEFLKVK
 GEKSGTMST

SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:



ACCN: NM_027328

ORF Size: 1500 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_027328.1](#), [NM_027328.2](#), [NM_027328.3](#), [NM_027328.4](#), [NP_081604.2](#)

RefSeq Size: 3143 bp

RefSeq ORF: 1500 bp

Locus ID: 68988

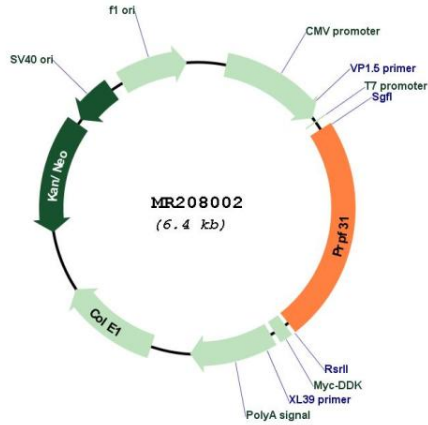
UniProt ID: [Q8CCF0](#)

Cytogenetics: 7 A1

MW: 55.4 kDa

Gene Summary: Involved in pre-mRNA splicing as component of the spliceosome. Required for the assembly of the U4/U5/U6 tri-snRNP complex, one of the building blocks of the spliceosome. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208002