

Product datasheet for **RR213077**

Prpf38b (NM_001024305) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prpf38b (NM_001024305) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prpf38b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR213077 representing NM_001024305
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTAACAAACAGCCCCGCGCTGACCGGCAACTCGAACCGCAGCACCAGGCGGCTGCGGCCGTGGTCC
 AGCAGCAGCAGCAGTGTGGCGGGCGGCGCCACCAAGCCGGCGGTGTCTGGGCAAGCAGGCAATGTGCT
 GCCGCTGTGGGCAATGAGAAGACCATGAACCTCAACCCCATGATCCTCACCAACATCCTGTCTGCGCCT
 TACTTCAAAGTGCAGCTCTACGAGCTCAAGACCTACCACGAGGTGGTGGACGAGATCTACTTTAAGGTCA
 CGCATGTTGAGCCATGGGAGAAGGGGAGCAGGAAAAGTCTGGCCAGACGGGGATGTGCGGAGGGTTTCG
 AGGCGTTGGAACAGGAGGCATTGTTTCTACGGCATTTCCTCTGTACAAATTTTACCTGAAGTTA
 ACTCGAAAGCAAGTGTGGTCTCATAACACATACAGACTCTCCATATATCAGAGCCCTGGATTTATGT
 ATATAAGGTATACACAACCCCTACAGACTGTGGGACTGGTTCGAGTCTTCTTGTATGATGAGGAGGA
 CCTAGATGTGAAAGCTGGTGGAGGCTGTGTAATGACCATTGGAGAGATGCTTCGTTCTTTTCTCACAAAG
 CTCGAGTGGTTTTCTACTTTGTTTCCAAGAATTCAGTTCAGTTCAGAAGAATATTGATCAGCAGATTA
 AAACCTCGACTAGGAAAATCAAGAAAGACGGAAGGAAGTGTGAGGAAATAGACAGACATATTGAGAG
 ACGGCGGTCCAGATCTCCAAGAAGTCACTGAGCCACGGAGGTCTCCAAGAAGTCAAGAAGCAGAAGT
 CATCACCGGGACGGTCATGGATCTTCTAGTTTCGACAGAGAATTAGAGAGAGAGAAAAGACGCCAACGC
 TAGAGCGGGAAGCCAAAGAGAGAGAGAAAAGGCGAAGATCTCGAAGCCTTGATCGGGGCTTAGACCG
 CAGGCGGAGCCGAGTCGGGAGAGGCACAGAAGTCGACGTCGAGTCGTGATAGGAAAGGGGATAGAAGA
 GACAGGGATCGGAAAGAGAGAAAAGAAAATGAGAGAGGTGAAGACGAGACCGGGATTATGATAAGGATA
 GAGGCAATGACCGAGAAAAGGGACAGGGAGAGATCAAGAGAGCGCTCCAAGGAGCAAGAAGTGGGGTGA
 GGGAGAAGAGAAAAGCACAAAAGAACAAAGGACAGACGACACAGAGATGACAAAAAAGAGTCCAAG
 AAAAAACACAGCAGAAGTGAAGCAGAGAGAGGAAACACAGAAGTAGGAGTAGAAGCAGAATGCAGGGA
 AGCGGAGCAGGAGCAGGACAAGGCAAGCAAGCAAAACATAAAAAAGCAAGGAGAAGTCAAAATA
 AAGAAGCAGAAGTGGCAGTCAAGGAAGAACTGGCAGTGTGAGAAGAGAAAACGAGAACACAGCCCTAGC
 AGAGAGAAGTCTAGAAAGCGCAGCAGGACCAAGACCGTCCCACAAGAGAGATCATGATAGCAAGGACC
 AGTCAGACAGACAGGATCATCAGAGAAGCCAGAGTGTAGAGCCAGAAAGCAAGAAAAGAACATAAAAA
 CAAAGATGAGACTGTG

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>RR213077 representing NM_001024305
 Red=Cloning site Green=Tags(s)

MANNSPALTGNSQPQHAAAAVQQQQCGGGGATKPAVSGKQGNVPLWGNEKTMNLNPMILTNILSSP
 YFKVQLYELKTYHEVVDEIYFKVTHVEPWEKSRKTAGQTMCGGVRGVGTGGIVSTAFCLLYKFLTKL
 TRKQVMGLITHDTPYIRALGFMYIRYTPPTDLWDFESFLDDEEDLVKAGGGCVMTIGEMLSFLTK
 LEWFSTLFPRIIPVPVQKNIDQIQIKTRPKIKKDGKEGV EIDRHIERRRSRSPRRSLSPRRSPRRSRRS
 HHRDGHGSSSFDRELEREKERQRLEREAKERERERRRSRSLDRGLDRRRSRSRERHRSRSDRKGDRR
 DRDREREKENERRRDRDYDKDRGNDRDRERSRERSKEQRSRGE GEEKKHKEKEDRRHRDDKKEK
 KKHRSRSRERKHSRSRNAGKRSRSDKASKHKNESKEKSNKRSRSGSQGRTGSVEKRKREHSPS
 REKSRKRSRSDRSHKRDHDSKDQSDRQDHRQSDSVEPESQEKEHKNKDETV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

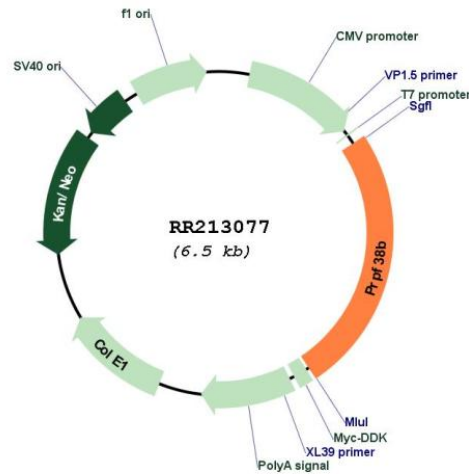
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001024305

ORF Size: 1626 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_001024305.2](#), [NP_001019476.1](#)

RefSeq Size: 2993 bp

RefSeq ORF: 1629 bp

Locus ID: 499691

UniProt ID: [Q6AXY7](#)

Cytogenetics: 2q34

MW: 63.9 kDa

Gene Summary: May be required for pre-mRNA splicing.[UniProtKB/Swiss-Prot Function]