

## Product datasheet for **RC223346**

### **PRPF38B (NM\_018061) Human Tagged ORF Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                        |
| Product Name:             | PRPF38B (NM_018061) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                    |
| Symbol:                   | PRPF38B                                    |
| Synonyms:                 | NET1                                       |
| Mammalian Cell Selection: | Neomycin                                   |
| Vector:                   | pCMV6-Entry (PS100001)                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                       |



[View online »](#)

**ORF Nucleotide Sequence:**

>RC223346 representing NM\_018061  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTAACAAACAGCCCCGCGCTGACAGGCAACTCGCAGCCGACACCAGGCGGCTGCAGTCTCGGCTC  
 AGCAACAGCAGCAGTGCAGCGGGCGGCGCTACCAAGCCGGCGGTCTCCGGCAAGCAGGCAATGTGCT  
 CCCGCTCTGGGGCAGCGAGAAGACCATGAACCTCAACCCCATGATCCTGACCAACATCCTGTCGTCGCT  
 TACTTCAAAGTACAGCTCTACGAGCTCAAGACCTACCACGAGGTGGTGGACGAGATCTACTTTAAGGTCA  
 CGCACGTTGAACCATGGGAGAAAGGAAGCAGGAAAACAGCGGGCCAGACAGGGATGTGCGGAGGGTTTCG  
 AGGTGTTGGAACAGGAGGAATTGTTTCTACAGCATTTCCTGTTATACAAATTTTACCTGAAGTTA  
 ACTCGAAAGCAAGTGATGGTCTTATAACACACACAGACTCTCCATATATTAGAGCGCTTGGATTTATGT  
 ATATAAGATATACACAGCCCCCTACAGATCTGTGGGACTGGTTTGAATCCTTCTTGATGATGAAGAGGA  
 CCTAGATGTGAAGGCTGGTGGAGGCTGTGTAATGACCATTGGAGAAATGCTACGATCTTTTCTCACAAA  
 CTGGAGTGGTTTTCTACCTGTTTTCCAAGAATCCAGTTCAGTTCAAAAGAATATTGATCAACAGATTA  
 AAACCCGACCTAGAAAAATCAAGAAAGATGGGAAGGAAGTGCTGAGGAAATAGACAGACATGTTGAACG  
 CAGACGTTCAAGGTCTCCAAGGAGATCTCTGAGTCCACGGAGGTCCCAAGAAGTCAAGAAGTAGAAGT  
 CATCATCGGGAGGGCCATGGGTCTTCTAGTTTTGACAGAGAATTAGAAAGAGAGAAAAGAACGCCAGCGAC  
 TAGAGCGTGAAGCAAAGAAAGGAGAAAGAACGGCGAAGATCCCGAAGTATTGACCGGGGGTTAGAACG  
 CAGGCGCAGCAGAAGTAGGAAAGGCATAGAAGTCGCAGTCGAAGTCGTGATAGGAAAGGGGATAGAAGG  
 GACAGGGATCGAGAAAGAGAGAAAAGAAATGAGAGAGGTAGAAGACGAGATCGTGACTATGATAAGGAAA  
 GAGGAAATGAACGAGAAAAGAGAGAGCGCATCAAGAGAAAGGTCCAAGGAACAGAGAAGTAGGGGAGA  
 GGTAGAAGAGAAGAAACATAAAGAAGACAAAGATGATAGCGCGCACAGAGATGACAAAAGAGATTCCAAG  
 AAAGAGAAAAACACAGTAGAAGCAGAAGCAGAGAAAAGGAAACACAGAAGTAGGAGTCGAAGTAGAATG  
 CAGGAAAACGAAGTAGAAGTAGAAGCAAAGAGAAAATCAAGTAAACATAAAAAATGAAAGTAAAGAAAAATC  
 AAATAAACGAAGTCGAAGTGGCAGTCAAGGAAGAACTGACAGTGTGAAAAATCAAAAAACGGGAACAT  
 AGTCCCAGCAAAGAAAAATCTAGAAAGCGTAGTAGAAGCAAAGAACGTTCCACAAAACGAGATCACAGTG  
 ATAGTAAGGACCAGTCAGACAAACATGATCGTCGAAGGAGCCAAAGTATAGAACAAGAGACCAAGAAAA  
 ACAGCATAAAAACAAAGATGAGACTGTG

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:**

>RC223346 representing NM\_018061  
 Red=Cloning site Green=Tags(s)

MANNSPALTGNSQPQHAAAAAQQQQCGGGGATKPAVSGKQGNVPLWGSEKTMNLNPMILTNILSSP  
 YFKVQLYELKTYHEVDEIYFKVTHVEPWEKGSRKTAGQTMCGVVRGVTGGIVSTAFCLLYKLFLLK  
 TRKQVMGLIHTDSPYIRALGFMYIRYTPPTDLWDFESFLDDEEDLDVKAGGGCVMTIGEMLSFLTK  
 LEWFSTLFPRIIPVPVQKNIDQQIKTRPRKIKKDGKEGAEIDRHVERRRSRSPRRSLSPRRSPRRSR  
 HHREGHGSSFDRELEREKERQRLEREAKEREKERRRSRSDRGLERRRSRERHRSRSDRDRKDRR  
 DRDREREKENERRRDRDYDKERGNEREKERERSRERSKEQRSRGEVEEKKHKEDKDRRHRDDKDRSK  
 KEKKHSRERSRERKHSRERSRNAGKRSRERSKEKSSKHKNEKEKSNKRSRSGSQGRTDSVEKSKKREH  
 SPSKEKSRKRSRERSKERSHKRDHSDSKDQSDKHDRRRRSQSIEQESQEKQHKNKDETV

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8047\\_c05.zip](https://cdn.origene.com/chromatograms/mk8047_c05.zip)

**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



ACCN: NM\_018061

ORF Size: 1638 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\\_018061.1](#), [NP\\_060531.1](#)

RefSeq Size: 3239 bp

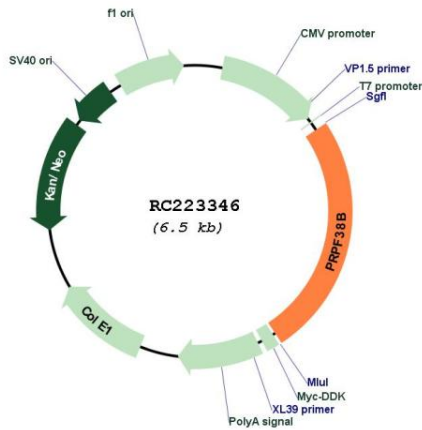
RefSeq ORF: 1641 bp

Locus ID: 55119

UniProt ID: [Q5VTL8](#)

**Cytogenetics:** 1p13.3  
**Domains:** PRP38  
**Protein Pathways:** Spliceosome  
**MW:** 64.3 kDa  
**Gene Summary:** May be required for pre-mRNA splicing.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC223346