

Product datasheet for **RG223346**

PRPF38B (NM_018061) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRPF38B (NM_018061) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRPF38B
Synonyms:	NET1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG223346 representing NM_018061
 Red=Cloning site Blue=ORF Green=Tags(s)
 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTAACAAACAGCCCCGCGCTGACAGGCAACTCGCAGCCGAGCACCAGGCGGCTGCAGTCCGGCTC
 AGCAACAGCAGCAGTGCAGCGGGCGGCGCTACCAAGCCGGCGGTCTCCGGCAAGCAGGCAATGTGCT
 CCCGCTCTGGGGCAGCGAGAAGACCATGAACCTCAACCCCATGATCCTGACCAACATCCTGTCGTCGCT
 TACTTCAAAGTACAGCTCTACGAGCTCAAGACCTACCACGAGGTGGTGGACGAGATCTACTTTAAGGTCA
 CGCACGTTGAACCATGGGAGAAAGGAAGCAGGAAAACAGCGGGCCAGACAGGGATGTGCGGAGGGTTTCG
 AGGTGTTGGAACAGGAGGAATTGTTTCTACAGCATTTCCTGTTATACAAATTATTTACCTGAAGTTA
 ACTCGAAAGCAAGTGTGGTCTTATAACACACACAGACTCTCCATATATTAGAGCGCTTGGATTTATGT
 ATATAAGATATACACAGCCCCACAGATCTGTGGGACTGGTTTGAATCCTTCTTGATGATGAAGAGGA
 CCTAGATGTGAAGGCTGGTGGAGGCTGTGTAATGACCATTGGAGAAATGCTACGATCTTTTCTCACAAA
 CTGGAGTGGTTTTCTACCTGTTTTCCAAGAATTCAGTTCAGTTCAAAAGAATATTGATCAACAGATTA
 AAACCCGACCTAGAAAAATCAAGAAAGATGGGAAGGAAGGTGCTGAGGAAATAGACAGACATGTTGAACG
 CAGACGTTCAAGGTCTCCAAGGAGATCTCTGAGTCCACGGAGGTCCCAAGAAGGTCAAGAAGTAGAAGT
 CATCATCGGGAGGGCCATGGGTCTTCTAGTTTTGACAGAGAATTAGAAAGAGAGAAAAGAACGCCAGCGAC
 TAGAGCGTGAAGCCAAAGAAAGGGAGAAAGAACGGCGAAGATCCCGAAGTATTGACCGGGGGTTAGAACG
 CAGGCGCAGCAGAAGTAGGAAAGGCATAGAAGTCGAGTCGAAGTCGTGATAGGAAAGGGGATAGAAGG
 GACAGGGATCGAGAAAGAGAGAAAAGAAATGAGAGAGGTAGAAGACGAGATCGTGACTATGATAAGGAAA
 GAGGAAATGAACGAGAAAAAGAGAGAGAGCGCATCAAGAGAAAGGTCCAAGGAACAGAGAAGTAGGGGAGA
 GGTAGAAGAGAAAGAAACATAAAGAAGACAAAGATGATAGCGGCACAGAGATGACAAAAGAGATTCCAAG
 AAAGAGAAAAACACAGTAGAAGCAGAAGCAGAGAAAAGAAACACAGAAGTAGGAGTCGAAGTAGAAATG
 CAGGAAAACGAAGTAGAAGTAGAAGCAAAGAGAAATCAAGTAAACATAAAAAATGAAAGTAAAGAAAAATC
 AAATAAACGAAGTCGAAGTGGCAGTCAAGGAAGAACTGACAGTGTGAAAAATCAAAAAACGGGAACAT
 AGTCCCAGCAAAGAAAAATCTAGAAAGCGTAGTAGAAGCAAAGAAGTCCACAAAACGAGATCACAGTG
 ATAGTAAGGACCAGTCAGACAAACATGATCGTCGAAGGAGCCAAAGTATAGAACAAGAGGCCAAGAAAA
 ACAGCATAAAAACAAAGATGAGACTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG223346 representing NM_018061
 Red=Cloning site Green=Tags(s)
 MANNSPALTGNSQPQHAAAAAAQQQQCGGGGATKPAVSGKQGNVLPWSEKTMNLPNPMILTNILSSP
 YFKVQLYELKTYHEVVDEIYFKVTHVEPWEKGSRKTAGQTMCGGVVGVGTGGIVSTAFCLLYKLFLLK
 TRKQVMGLIHTDSPYIRALGFMYIRYTPPTDLWDFESFLDDEEDLDVKAGGGCVMTIGEMLRSLTK
 LEWFSTLFPRIIPVPVQKNIDQIKTRPRKIKKDGKEGAEIDRHVERRRSRSPRRSLSPRRSPRRSRRS
 HHREGHGSSFDRELEREKERQRLEREAKERERERRRSRSDRGLERRRSRERHRSRSRDRKDRDR
 DRDREKENERRRDRDYDKERGNEREKERERSRERSKEQSRGEVEEKHKEDKDRRHRDDKDRSK
 KEKKHSRSRERKHSRSRNAGKRSRERSKEKSSKHKNESKEKSNKRSRSGSQGRDTSVEKSKKREH
 SPSKEKSRKRSRERSHSHKRDHSDSKDQSKHRRRSQSIEQESQEKQHKNKDETV

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-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

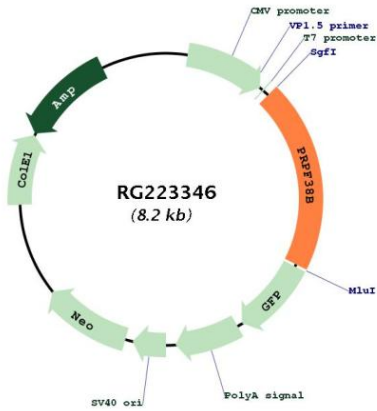
RefSeq ORF: 1641 bp

Locus ID: 55119

UniProt ID: [Q5VTL8](#)

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

Product images:



Circular map for RG223346