

## Product datasheet for **RN214341**

### Prpf4b (NM\_001011923) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prpf4b (NM_001011923) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Prpf4b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214341 representing NM_001011923 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGCCACGGAGCCCCGTCGCTGCGGGAGCAACCTGAGATGGACGATGCTGATAATCTGAAAAGA  
GTGTAATGAGGAAAATGGAGAAGTATCAGAAGACCAGTCTCAAATAAACACAGTCGTCATAAAAAA  
GAAGCATAAACACAGAAGTAAACATAAGAAACATAAACATTCCTCAGAAGAAGATAGGGATAAAAAAC  
AAACACAAGCATAAGCATAAGAAACACAAAAGAAAAGAAGTTCTCGATGCCTCTGACAAGGAAGGCCTGT  
CCCCTGCCAAAAGAACTAACTTATGATGATTTAGCTTTGCTGGAAGACTTGAAAAACAGAGAGCCTTGAT  
CAAAGCTGAGCTCGATAACGAGTTAATGGAGGGGAAGGTCAGTCTGGAATGGGGCTCATTCTGCAGGGC  
TATGAGTCTGGCTCTGAAGAAGAAGGAGAGATTACGAAAAGGCAAGAAATGGAATAGTCCAGTACCA  
GGTCTTCCAGTACACGGGAAAACCTTGAATACAGACAACAAAATAGTGCAAAAAACGAAGTAAAGAG  
CAGATCCAAAGAACGAAGTCCAGTACAGCAAAAGGAGCAAGGGAGCTGTCGAAATGATGAGA  
GAAAAAGCAAACAGGAGCAAGTCTAAGGAGAGGAGAAAAATCCAAAGTCCATCCAAAGAAGCAAATCTC  
AAGACCAAGCAAGAAAATCAAAGTCCCCTACCCTTAGACGGCGGTCCCAAGAGAAGGTGGGAAGGCTAG  
ATCTCCTGCTGACGAGAAGATTAAAGAGTGAAGAGAAAGGTAATAAAGGATAGGAAAAATCACCAATT  
GTAATGAAAGAAGTCGAGATAGATCTAAAAATCCAAGTCCCCAGTTGACTTAAGAGATAAATCCAAG  
ACAGAAGTTCGAGGTCCAAAGAGCGGAAGTCAAAACGATCTGAGATTGACAAAAGAAAAGAAGCAATTAA  
ATCACCTTCAAAGATGCTTCTTCTGGGAAGGAAAATAGGTACCCAGTGAAGACCTGGCCGTAGTCTCT  
AAAAGAAGAAGTTTGTCTCCAAAACAACGAGACAAGTCAAGAAGAAGTAGGTCTCCGCTTCTCAATGACA  
GGAGATCTAAGCAGAGCAAATCACCTTCTCGAAGTCTCTCCAGGCAGAAGGGCCAAGAGCCGATCCTT  
AGAAAGGAAAACGGAGAGAACCAGAGAGGAGACGGCTTTCTCTCCGAGAACACGACCTCGAGATGATATC  
CTTGGTAGATGTGAACGATCAAAGGATGCCAGCCCCATTAAACAGTGGTCTCCAAGCCGAAGAAGAAGTA  
GGTCTCCATTAGAAGGAGATCCCGTTCCCATTTGAGACGACGAGGTCTCCTAGAAGAAGAAGCAGGTC  
TCCTCGAAGAAGAGATAGGAGTCAAGGAGCAGGTCACGCTTGAGAAGAAGATCTCGATCACGGGTGGT  
CATAGGAGAAGGAGCAGAAGCAAAGTAAAGGAAGATAAATTTAAAGGAAGCCTCTCGGAAGGAATGAAAG  
TTGAGCAAGAGTCTTCGCTGATGATAACCTTGAAGATTTGATGTGGAGGAAGAAGATGAAGAGGCTGT  
AATAGAACAGAGAAGGATACAGAGGCAAGCAATTTGTCAGAAATATAAGTATCTTGCGGAAGATAGCAAT



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ATATCTGTGCCATCTGAGCCAAGCAGCCCCAGAGCAGCACAAAGATCACGGTCCCCTTCGCCAGACGACA  
TCTTGGAGCGGGTAGCTGCTGACGTAAGAATAATGAGCGGGAGAATGTTGACACATTTGAAGCCTCAGT  
AAAAGCCAAGCATAATCTAATGACAGTTGAACAGAATAATGGCTCATCTCAGAAGAAGCTTTTGGCACCT  
GATATGTTTACAGAATCCGATGATATGTTTGCTGCTTATTTTATAGTGTCTCCGGGCCGCTGGCA  
TTGGGAAAAGATTTCAAAGAGAATCCCAACCTCAGAGATAATTGGACAGATGCAGAAGGCTATTACCGTGT  
GAACATCGGGGAAGTCTAGATAAGCGCTATAATGTATATGGCTACACTGGGCAGGGTGTGTTTCAGTAAT  
GTAGTCCGTGCCAGGGATAATGCAAGAGCCAATCAGGAAGTGGCTGTAAGATCATCAGGAACAATGAAC  
TCATGCAAAAAGACTGGTTTAAAGGAACTAGAGTTCTTGAAGAACTGAACGATGCTGATCCTGATGACAA  
GTTCCATTGCCTACGCCTCTTCAGACACTTTTACCACAAAACAGCATCTCTGTCTTGTATTTGAGCCTCTC  
AGTATGAATTTGCGAGAGGTATTAATAAATAATGGTAAGGATGTCGGTCTTCATATTAAGGCTGTACGAT  
CGTACAGTCAGCAGTTGTTCTGGCATTGAAACTCCTTAAAGATGTAATATCCTACATGCAGATATCAA  
ACCAGATAATATTCTGGTTAATGAATCCAAAACAATTTTAAAGCTTTGTGATTTTGGATCGGCGTCACAT  
GTTGCAGACAATGACATAACGCCTTATCTGTGCTAGATTTTATCGTGTCCGGAGATCATTATAGGTA  
AAAGCTATGACTATGGTATCGATATGTGGTCTGTAGGTTGTACCTTATATGAACTCTATACTGGAAAAAT  
CTTATTTCTGGCAAACTAATAACCACATGTTGAAGCTGCCATGGACCTTAAAGGAAAAATGCCAAAT  
AAGATGATCCGGAAAGGTGATTCAAAGATCAACATTTTGACCAAAATCTGAACTTCATGTACATAGAAG  
TTGATAAAGTAACAGAGAGGGGAGAAAGTTACTGTCATGAGCACCATTAATCCAACCTAAGGACCTATTGGC  
TGACTTGATTGGGTGCCAGCGACTTCTGAAGATCAACGTAAAAAAGTACACCAGCTAAAGGACTTGTG  
GACCAGATCCTAATGTTGGACCCAGCTAAGCGAATTAGCATCAACCAGGCCCTGCAGCATGCATTATCC  
AGGAAAAAATTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAAGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001011923
- Insert Size:** 3024 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_001011923.1](#), [NP\\_001011923.1](#)
- RefSeq Size:** 4378 bp
- RefSeq ORF:** 3024 bp
- Locus ID:** 291078

UniProt ID: [Q5RKH1](#)

Cytogenetics: 17p12

Gene Summary: Has a role in pre-mRNA splicing. Phosphorylates SF2/ASF (By similarity).[UniProtKB/Swiss-Prot Function]