

Product datasheet for **MC217397**

Prpf4 (NM_027297) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prpf4 (NM_027297) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Prpf4
Synonyms:	1600015H11Rik; AI874830; AW047464; bN189G18.1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217397 representing NM_027297
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTCCTCAGAGCCTCCTCCACGACAACCAAACAAAGCGCCTGACGATTTAGTTGCTCCCGTTG
 TGAAGAAACCACACATCTACTATGGAAGCTTGGAAAGAGAAAGAGCGGGAACGCCTGGCCAAAGGAGAGTC
 TGGGATTTTGGGAAAAGAAGGACTCAAAGCCGGCATTGAAGCAGGAAATATTAATAATAACATCCGGAGAA
 GTGTTTGAATTGAGGAGCACATCAGTGAAGCGGAGGAGGAGTCTTGGCAGAGTTTGAAGAAGAAAGC
 GAGCCCGGAGATCAATGTTTCCACAGATGACTCAGAGGTCAAGGCTTGCCTTCGAGCCTGGGAGAGCC
 TATCACGCTTTTGGAGAGGGCCCTGCTGAACGAAGAGAAAGGTTAAGAAATATTCTCTCAGTGGTCGGG
 ACTGATGCCTTAAAAAGACGAAAAAGATGATGAAAAGTCTAAGAAGTCAAAGGAGGAGTATCAGCAA
 CCTGGTACCATGAAGGGCCAAATAGCCTGAAGGTGGCCAGATTGTGGATTGCTAATTATTACTCCCGAG
 GGCAATGAAACGCTTAGAGGAGGCCGCTCCATAAGGAGATTCTGAGACAACCAAGACCTCCAGATG
 CAGGAGCTGCACAAGTCTCTCCGGTCTTTGAATAATTTCTGCAGTCAGATTGGAGATGACCGGCCGATCT
 CCTACTGCCACTTCAGCCCAATTCTAAAATGCTAGCCACAGCTTGTGGAGTGGGCTTTGCAAGCTCTG
 GTCTGTCCCTGACTGCAGCCTCCTTCACTCTTCGAGGCCATAACACAAATGTAGGAGCAATTGTATTC
 CATCCCAATCCACTGTCTCGTTGGACCAGAAGGATGTCAACCTGGCCTCTTGTGCTGCTGATGGTTCTG
 TGAAGCTTTGGAGCCTTGACAGCGATGAACCAAGTGGCAGATATTGAAGGCCATACAGTGCCTGTAGCTCG
 GGTAATGTGGCATCCATCAGGGCGTTTCTGGGCACAACCTGTTATGACCGTTCATGGCGCTTATGGGAT
 TTAGAGGCTCAAGAGGAGATCCTGCACCAGGAAGGCCACAGCATGGGTGTGTATGACATTGCCTCCATC
 AAGATGGCTCTTTGGCTGGCACTGGGGGACTGGATGCATTTGGCCGGGTTTGGGACCTACGCACAGGACG
 CTGCATTATGTTCTGGAAGGCCACCTGAAGGAAATCTATGGGATAAATTTAGCCCAATGGCTACCAC
 ATTGCCACTGGCAGTGGTGACAACCTGCAAAGTGTGGGACCTTCGGCAGCGACGCTGTGTCTACACCA
 TCCCGGCCATCAGAACTTAGTGACCGGTGTCAAATTTGAGCCTATCCATGGGGACTTCTTGCTCACAGG
 TGCTATGACAATACAGCCAAGATCTGGACCCACCCAGGCTGGTCCCACTGAAGACCCTGGCTGGTTCAT
 GAGGGCAAAGTGTGGGCTGGACATTTCTTCTGATGGGCAGCTCATAGCCACGTGCTCCTATGACAGAA
 CCTTCAAGCTCTGGATGGCAGAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_027297

Insert Size: 1566 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_027297.3](#), [NP_081573.1](#)

RefSeq Size: 5237 bp

RefSeq ORF: 1566 bp

Locus ID: 70052

UniProt ID: [Q9DAW6](#)

Cytogenetics: 4 B3

Gene Summary: Plays role in pre-mRNA splicing as component of the U4/U6-U5 tri-snRNP complex that is involved in spliceosome assembly, and as component of the precatalytic spliceosome (spliceosome B complex).[UniProtKB/Swiss-Prot Function]