

Product datasheet for **SC117203**

PRPF4 (NM_004697) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRPF4 (NM_004697) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRPF4
Synonyms:	HPRP4; HPRP4P; PRP4; Prp4p; RP70; SNRNP60
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC117203 sequence for NM_004697 edited (data generated by NextGen Sequencing)

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ATGGCTTCCTCGCGAGCCTCTTCCACGCAGGCAACCAAACTAAAGCACCCGACGACTTA
GTTGCTCCGGTCGTGAAGAAACCACACATCTATTATGGAAGTTTGAAGAGAAGGAGAGG
GAGCGTCTGGCCAAAGGAGAGTCTGGGATTTTGGGAAAGACGGACTTAAAGCAGGGATC
GAAGCTGGAAATATTAATATAACCTCTGGAGAAGTGTTTGAATTTGAAGAGCATATCAGC
GAGCGACAGGCAGAAGTATTGGCTGAGTTTGAAGAGAAGGAAGCGAGCCCGCAGATCAAT
GTTTCCACAGATGACTCAGAGGTCAAAGCTTGCCTTAGAGCCTTGGGGAAACCCATCACA
CTTTTTGGAGAGGTCTCTGCTGAAAGAAGAGAAAGGTTAAGAAATATCCTCTCAGTTGTC
GGTACTGATGCCTTGAAAAAGACCAAAAAGGATGATGAGAAGTCTAAAAAGTCCAAAGAA
GAGTATCAGCAAACCTGGTATCATGAAGGACCAATAGCTTGAAGGTGGCAAGACTATGG
ATTGCTAATTATTCGTTGCCAGGGCAATGAAACGCTTGAAGAGGCCGACTCCATAAG
GAGATTCCTGAGACAACAAGGACCTCCCAGATGCAAGAGCTGCACAAGTCTCTCCGGTCT
TTGAATAATTTTTGCAGTCAGATTGGGGATGATCGGCCTATCTCCTACTGTCACCTTAGT
CCCAATCCAAGATGCTGGCCACAGCTTGTGGAGTGGGCTTTGCAAGCTCTGGTCTGTT
CCTGATTGCAACCTCCTTCACACTCTTCGAGGGCATAACACAAATGTAGGAGCAATTGTA
TTCCATCCCAATCCACTGTCTCCTTGGACCCAAAAGATGTCAACCTGGCCTCTTGTGCG
GCTGATGGCTCTGTGAAGCTTTGGAGTCTCGACAGTGTGAACCAGTGGCAGATATTGAA
GGCCATACAGTGCCTGTGGCGCGGTAATGTGGCATCCTTCAGGACGTTTCTGGGCACC
ACCTGCTATGACCGTTCATGGCGCTTATGGGATTTGGAGGCTCAAGAGGAGATCTGCAT
CAGGAAGGCCATAGCATGGGTGTGTATGACATTGCCTCCATCAAGATGGCTCTTTGGCT
GGCACTGGGGACTGGATGCATTTGGTCGAGTTTGGGACCTACGCACAGGACGTTGTATC
ATGTTCTTAGAAGGCCACCTGAAAGAAATCTATGGAATAAATTTCTCCCCAATGGCTAT
CACATTTGCAACCGCAGTGGTGACAACACCTGCAAAGTGTGGGACCTCCGACAGCGGCGT
TGCGTCTACACCATCCCTGCTCATCAGAACTTAGTGACTGGTGTCAAGTTTGAAGCTATC
CATGGGAACTTCTTGCTTACTGCTGCTATGATAACACAGCCAAGATCTGGACGCACCCA
GGCTGGTCCCGCTGAAGACTCTGGCTGGCCACGAAGGCAAAAGTATGGGCTAGATATT
TCTTCCGATGGGCAGCTCATAGCCACTTGCTCATATGACAGGACCTTCAAGCTGTGGATG
GCTGAATAG
    
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Clone variation with respect to NM_004697.4

5' Read Nucleotide Sequence: >OriGene 5' read for NM_004697 unedited

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AGAAATTTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCTGCTGGGC
GCGCGTGGACGGTCTGAAAGGGAGTGTTCGGGTTTCGCTGGGGCCTCGCGGCTCCAGAG
CCCAGCATGGCTTCTCGCGAGCCTCTTCCACGCAGGCAACCAAACTAAAGCACCCGAC
GACTTAGTTGCTCCGGTCGTGAAGAAACCACACATCTATTATGGAAGTTTGAAGAGAAG
GAGAGGGAGCGTCTGGCCAAAGGAGAGTCTGGGATTTTGGGAAAGACGGACTTAAAGCA
GGGATCGAAGCTGGAATATTAATATAACCTCTGGAGAAGTGTTTGAATTTGAAGAGCAT
ATCAGCGAGCGACAGGCAGAAGTATTGGCTGAGTTTGAAGAGAAGGAAGCGAGCCCGCAG
ATCAATGTTTCCACAGATGACTCAGAGGTCAAAGCTTGCCTTAGAGCCTTGGGGAAACCC
ATCACACTTTTTGGAGAGGTCCTGCTGAAAGAAGAGAAAGGTTAAGAAATATCCTCTCA
GTTGTCGGTACTGATGCCTTAAAAAGACCAAAAAGGATGATGAGAAGTCTAAAAAGTCC
AAAGAAGAGTATCAGCAAACCTGGTATCATGAAGGACCAATAGCTTGAAGGTGGCAAGA
CTATNGGATTGCTAATTATTCGTTGCCAGGGCAATGAAACGCTTGAAGAGGCCCGACT
CCATAAGGAGATTCCCTGAGACACAGGACCTCCCAGATGCAAGAGCTGCACAAGTCTCTC
CGGCTTTGAATATTNTGCAGTCAGATGGGGATGATCGGCCTATCTCCTACTGTCACCT
TTAGTCCCAATCCAGATGCTGCCACAGCTG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004697 unedited ACTATGGACCGCGGCACGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTGCTTTCTAA ACATTTGTTTGACTCCTGACACAATGGTTTTGCTTTGGGGTAACATGAAGGTTGCCAAAC TTCAAAGTAAAAAAGATTTTTCTGACAAAGCAAATGTTTCAGTTCAGAGTTGCCTGAT GCTGTCAGCATTCCAAGCAAACCTCAATAGGAAGAGGTGAAGTCTTCTTCACTGTATAACC ATCGGCGTGGCTGCGGTCTACTGCTTACATCCCATTCTCCAGGGAAAGGAAAAGTGCTC GCTATGATGCATTGTTTAAACCAATGAGTGGTGAAGTGTGCCTTTTACCTGAGGGCTTCC AGACTATAGTTTCAGCCACCTTGCTCTCTGGGTCATATGTAGTCCTGAAGCATGTACCATG TTATGGAAAGCCAAGTTTCAAGAATTAATAATGCAGAGTCAGTCACCATCCTGGGTGCTG TGAGGAAAGCTATAAGGCATTGCAACAAATTTTTTTTTTTTTTTTGGAGACAGGGTCTTGCTC TGTACACAGGCTAGAGTGCAATGGCGCAATCTCGGCTCACTGCAACCTCTGCCTCCAA GCTTAAGCAATCCCTCCACCTCAGCCTCCAAGTAGCCGGAATCACAGGCAGAAGCCAC CGCGACCAGCTAATTTTAGTATTTCTTTGCAGAGACGGCATTGGCCATGTTGCCCAAGCT CGTCTGAACTCCTGACCTAAGCGATCTACCCACCTCGGCCTCCCAAAATGCTAAGATTA CACGCGTGAGCCCCACGCCCGCCAACCAAGATTTTTAAATCTGGTTACACCGTCGT GGGAGGGCGTCATAAGTATTAATCTCAACCGGAGAGGGGCCCCACCCCTAAGCATTG GCTCCCCCGGATGGGGCTACTCGAATCCATCCATGAGGTCTACCTGGTATTCACAAAC ATTTATAG
Restriction Sites:	NotI-NotI
ACCN:	NM_004697
Insert Size:	2800 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:	<ol style="list-style-type: none"> 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:	<u>NM_004697.3</u> , <u>NP_004688.2</u>
RefSeq Size:	2756 bp
RefSeq ORF:	1569 bp
Locus ID:	9128
UniProt ID:	<u>O43172</u>
Cytogenetics:	9q32
Domains:	WD40, SFM

Protein Pathways: Spliceosome

Gene Summary: The protein encoded by this gene is part of a heteromeric complex that binds U4, U5, and U6 small nuclear RNAs and is involved in pre-mRNA splicing. The encoded protein also is a mitotic checkpoint protein and a regulator of chemoresistance in human ovarian cancer. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2016]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).