

Product datasheet for **SC319472**

PRPF3 (NM_004698) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRPF3 (NM_004698) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRPF3
Synonyms:	HPRP3; HPRP3P; PRP3; Prp3p; RP18; SNRNP90
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004698.1
 GTTTGTGAGGTGTAGTATTGAGTCTGTTTGTGAGCTATTGTTCTCTTTTTCTGAAAAATG
 GCACTGTCAAAGAGGGAGCTGGATGAGCTGAAACCATGGATAGAGAAGACAGTGAAGAGG
 GTCCTGGGTTTCTCAGAGCCTACGGTGGTCACAGCAGCATTGAACTGTGTGGGAAGGGC
 ATGGACAAGAAGAAGGCAGCCGATCATCTGAAACCTTTTCTTGATGATTCTACTCTCCGA
 TTTGTGGACAACTGTTTGTGGCTGTGGAGGAAGGCCGAAGCTTAGGCATTCCAAGTCT
 AGCAGTGACAGGAGCAGAAAACGAGAGCTAAAGGAGGTGTTGGTGATGACTCTGAGATC
 TCTAAAGAATCATCAGGAGTAAAGAAGCGACGAATACCCCGTTTTGAGGAGGTGGAAGAA
 GAGCCAGAGGTGATCCCTGGGCCTCCATCAGAGAGCCCTGGCATGCTGACTAAGTCCAG
 ATCAAACAGATGATGGAGGCAGCAACACGACAAAATCGAGGAGAGGAAAAACAGCTGAGC
 TTCATTAGCCCCCTACACCTCAGCCAAAGACTCCTTCTCTCCCAACCAGAACGACTT
 CCTATTGGCAACACTATTAGCCCTCCCAGGCTGCCACTTTCATGAATGATGCCATTGAG
 AAGGCAAGGAAAGCAGCTGAACTGCAAGCTCGAATCCAAGCCAGCTGGCACTGAAGCCA
 GGACTCATCGGCAATGCCAATGTTGGGCTGGCTAATCTCCATGCCATGGGCATTGCT
 CCCCCGAAGTGGAGTTAAAAGACCAAACGAAACCTACACCACTGATCCTGGATGAGCAA
 GGGCGCACTGTAGATGCAACAGGCAAGGAGATTGAGCTGACACACCGCATGCCTACTCTG
 AAAGCCAATATTCGTGCTGTGAAGAGGGAAACAATCAAGCAACAATAAGGAAAAGCCA
 TCAGAAGACATGGAATCCAATACCTTTTTTGACCCCGAGTCTCCATTGCCCTTCCCAG
 CGCCAGAGACGCACTTTTAAATTCATGACAAGGGCAAATTTGAGAAGATTGCTCAGCGA
 TTACGGACAAAGGCTCAACTGGAGAAGCTACAGGCAGAGATTTACAAGCAGCTCGAAAA
 ACAGGCATCCATACTTCGACTAGGCTTGCCTCATTGCTCCTAAGAAGGAGCTAAAGGAA
 GGAGATTTCTGAAATGAGTGGTGGGACTCTTACATAATCCCCAATGGCTTTGATCTT
 ACAGAGGAAAAATCCCAAGAGAGAAGATTATTTTGAATCACAATCTTGTGAAACATCCA
 GCCCAGCTCAATCCTCCAGTTGACAATGACACACCAAGTTACTCTGGGAGTATATCTTACC
 AAGAAGGAACAGAAAAAATTCGGAGACAAACAAGGAGGGAAGCAGAGAAGGAACACAA
 GAAAAAGTCAGGCTGGGCTGATGCCTCCTCCAGAACCCAAAGTGAATTTCTAATTTG
 ATGCGAGTATTAGGAACAGAAGCTGTTCAAGACCCACGAAGGTAGAAGCCACGTCAGA
 GCTCAGATGGCAAAAAGACAGAAAGCGCATGAAGAGGCCAACGCTGCCGAAAACACACA
 GCAGAACAGAGAAAGTCAAGAAAATTTAAAGCTTAAAGAAGACATTTACAGGGGTA
 CACATATCTGTATATAGAGTTCGAAATTTGAGCAACCCAGCCAAGAAGTCAAGATTGAA
 GCCAATGTGGGCAACTGTACCTGACAGGGGTGGTGGTACTGCACAAGGATGTCAACGTG
 GTAGTAGTGGAAGGGGGCCCAAGGCCAGAAAGAAATTTAAGCGTCTTATGCTGCATCGG
 ATAAAGTGGGATGAACAGACATCTAACACAAAGGAGATGATGATGAGGAGTCTGATGAG
 GAAGCTGTGAAGAAAACCAACAATGTGTACTAGTCTGGGAGGGTACAGCCAAAGACCGG
 AGCTTTGGAGAGATGAAGTTTAAACAGTGTCTACAGAGAACATGGCTCGTGAGCATTTT
 AAAAAGCATGGGGCTGAACACTACTGGGACCTTGCCTGAGTGAATCTGTGTTAGAGTCC
 ACTGATTGAGACTACTGCAAGCCCTTGCCTCTCCTCCCTTGCCTTTGTCTCTTAGCTCT
 CTCATTATTCTATTTCCCAACCCCTCCCCTTGTGTTGTGATCTCAGAACTGTGCCA
 AGCAGACTGGGACAAAGGGAGAATATCTTGTCCCTCCTGAGTCAGCCTGGTGTTC
 CCTTTATCCCTTATGTGCATATGATTAAGAGTTATTTTTAAAAAAAAAAAAAAAAAAAA
 AAAAA

Restriction Sites: Please inquire

ACCN: NM_004698

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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_004698.1 , NP_004689.1
RefSeq Size:	2344 bp
RefSeq ORF:	2052 bp
Locus ID:	9129
UniProt ID:	O43395
Cytogenetics:	1q21.2
Domains:	PWI
Protein Pathways:	Spliceosome
Gene Summary:	The removal of introns from nuclear pre-mRNAs occurs on complexes called spliceosomes, which are made up of 4 small nuclear ribonucleoprotein (snRNP) particles and an undefined number of transiently associated splicing factors. This gene product is one of several proteins that associate with U4 and U6 snRNPs. Mutations in this gene are associated with retinitis pigmentosa-18. [provided by RefSeq, Jul 2008]