

Product datasheet for **SC114632**

PRPF31 (NM_015629) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRPF31 (NM_015629) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRPF31
Synonyms:	NY-BR-99; PRP31; RP11; SNRNP61
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 SC114632 sequence for NM_015629 edited (data generated by NextGen Sequencing)

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ATGTCTCTGGCAGATGAGCTCTTAGCTGATCTCGAAGAGGCAGCAGAAGAGGAGGAAGGA
GGAAGCTATGGGGAGGAAGAAGAGGAGCCAGCGATCGAGGATGTGCAGGAGGAGACACAG
CTGGATCTTTCCGGGGATTCAAGCAAGACCATCGCCAAGCTATGGGATAGTAAGATGTTT
GCTGAGATTATGATGAAGATTGAGGAGTATATCAGCAAGCAAGCCAAAGCTTCAGAAGTG
ATGGGACCAGTGGAGGCCGCGCCTGAATACCGCGTCATCGTGGATGCCAACCAACCTGACC
GTGGAGATCGAAAACGAGCTGAACATCATCCATAAGTTTCATCCGGGATAAGTACTCAAAG
AGATTCCCTGAACTGGAGTCCTTGGTCCCAATGCACTGGATTACATCCGCACGGTCAAG
GAGCTGGGCAACAGCCTGGACAAGTGAAGAACAATGAGAACCTGCAGCAGATCCTCACC
AATGCCACCATCATGGTCGTGAGCGTCACCGCCTCCACCACCCAGGGGCAGCAGCTGTGC
GAGGAGGAGCTGGAGCGGCTGGAGGAGGCTGCGACATGGCGCTGGAGCTGAACGCCTCC
AAGCACCCGATCTACGAGTATGTGGAGTCCCGGATGTCCTTCATCGCACCCAACCTGTCC
ATCATTATCGGGGCATCCACGGCCGCAAGATCATGGGTGTGGCCGGCGGCTGACCAAC
CTCTCCAAGATGCCTGCCTGCAACATCATGCTGCTCGGGGCCAGCGCAAGACGCTGTCCG
GGCTTCTCGTCTACCTCAGTGTGCCCCACACCGGCTACATCTACCACAGTGACATCGTG
CAGTCCCTGCCACCGGATCTGCGGCGGAAAGCGGCCCGGCTGGTGGCCGCAAGTGCACA
CTGGCAGCCCGTGTGGACAGTTTCCACGAGAGCACAGAAGGGAAGGTGGGCTACGAACTG
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AAGCCGCTGCCTGCGCCCTGGATGGACAGCGGAAGAAGCGAGGCGGCCGAGGTACCGC
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GGAGAGATCGAGGAGGACGCCTACCAGGAGGACCTGGGATTACGCTGGGCCACCTGGGC
AAGTCGGGCAGTGGGCGTGTGCGGCAGACACAGGTAACAGGCCACCAAGGCCAGGATC
TCCAAGACGCTGCAGCGGACCCTGCAGAAGCAGAGCGTCTATATGGCCGGAAAGTCCACC
ATCCGCGACCGCTCCTCGGGCACGGCTCCAGCGTGGCCTTACCCCACTCCAGGGCCTG
GAGATTGTGAACCCACAGGCGGCAGAGAAGAAGGTGGCTGAGGCCAACCAAGATATTTCC
TCCAGCATGGCTGAGTTCCTCAAGGTTAAGGGCGAGAAGAGTGGCCTTATGTCCACCTGA
    
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Clone variation with respect to NM_015629.3
735 c=>t;1467 c=>t

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_015629 unedited
TATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGATGTCTCTG
GCAGATGAGCTCTTAGCTGATCTCGAAGAGCAGCAGAAGAGGAGGAAGGAGGAAGCTATG
GGGAGGAAGAAGAGGAGCCAGCGATCGAGGATGTGCAGGAGGAGACACAGCTGGATCTTT
CCGGGGATTCAAGCAAGACCATCGCCAAGCTATGGGATAGTAAGATGTTTGTGAGATTA
TGATGAAGATTGAGGAGTATATCAGCAAGCAAGCCAAAGCTTCAGAAGTATGGGACCAG
TGGAGGCCGCGCCTGAATACCGCGTCATCGTGGATGCCAACCAACCTGACCGTGGAGATCG
AAAACGAGCTGAACATCATCCATAAGTTTCATCCGGGATAAGTACTCAAAGAGATTCCCTG
AACTGGAGTCCTTGGTCCCAATGCACTGGATTACATCCGCACGGTCAAGGAGCTGGGCA
ACAGCCTGGACAAGTGAAGAACAATGAGAACCTGCAGCAGATCCTCACCATGCCACCA
TCATGGTCGTGAGCGTCACCGCCTCCACCACCCAGGGGCAGCAGCTGTGGAGGAGGAGC
TGGAGCGGCTGGAGGAGGCTGCGACATGGCGCTGGAGCTGAACGCCTCCAAGCACCGCA
TCTACGAGTATGTGGAGTCCCGGATGTCCTTCATCGCACCCAACCTGTCCATCATTATCG
GGGCATCCACGGCCGCCAGATCATGGGTGTGGCCGGCGGCTGACCAACCTCTNCAAGA
TGCTGNCTGCACATCATGCTGCTCGGGGCCACGCAAGACGCTGTCCGGCTTCTCGTC
TACCTCAGTGTGCCCCACACGGCTACATCTACCACAGTGACATCGTGCAGTCCCTGCCA
CCGGATCTGCGGCGNAAAGCGCCCGCTGTTGGCCGCAATTGCACACTGTGAGCGGTGT
TGGACAAGTTCCTCAAGACC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_015629 unedited AATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGACATGTCCTTTAATTGTA CTCTTTTC AAAAATCTCCTTTCTCAGTTAAAAAGACAAGGCATGATGAAGACCTGCTCTAGCCCAT ACTGGGCGGTGATCTCGGTCCTGGGGGAGGCCAGGCCGGACTCTCCAAGGCCTCCTCCC TGGGCAGTCCCAGCAATGGGGCCAGTGGCAGGGCAGGTTCTCCCTGCCAGAACCCGATCC TAGCCCTTCAGAAGGACTGGACCTCTGTGTCCCTTCAGTGGGAAGCCACCTTGGACACAC GCAGTCATTCAGGTGGACATAAGGCCACTCTTCTCGCCCTTAACCTTGAGGAACTCAGCC ATGCTGGAGAAATACTTCTGGTTGGCCTCAGCCACCTTCTTCTCTGCCGCCTGTGGGTTC ACAATCTCCAGGCCCTGGAGTGGGGTGAAGGCCACGCTGGAGGCCGTGCCCGAGGAGCGG TCGCGGATGGTGGACTTCCCGCCATATACGACGCTCTGCTTCTGCAGGGTCCGCTGCAGC GTCTTGGAGATCCTGGCCTTGGTGGCCTCGTTTACCTGTGTCTGCCGCACACGCCCACTG CCCGACTTGGCCAGTGGCCAGGCTGAATCCCNAGTCTCCTGGTAAGCGTCTCTCTCG ATCTCTCCGAAGCTCATACGGTNTGGCCTGCTTNCGGATCTCCGTCAGCCCCAGCCGCT CCTTCATCTTGGGTACCTGCGGCCGCTCGTCTTCCGCTGTCCATCCAGGGGCGCAN GCAGCGGTTACCTGCTTACANNNGCGNNGCTCCTGCCACTTGTCAATTTGCGCTCGAT CTCATCCTTCAGTNCGTAGCCACCTTCCCTCTGGGCTTTTCTGGAAGTGTCCAACCGGC TGCACTGGGCACTTGGGGACCANCCGGCCGTTTTCGCCGAATCCGTGGNAGGACTGCCA ATGCTGGGTAACCGTNCGGTGGGCANACTGAGAACCAAAACCCN
Restriction Sites:	NotI-NotI
ACCN:	NM_015629
Insert Size:	1760 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:	NM_015629.2 , NP_056444.2
RefSeq Size:	2153 bp
RefSeq ORF:	1500 bp
Locus ID:	26121
UniProt ID:	Q8WWY3
Cytogenetics:	19q13.42
Domains:	Nop

Protein Families: Druggable Genome

Protein Pathways: Spliceosome

Gene Summary: This gene encodes a component of the spliceosome complex and is one of several retinitis pigmentosa-causing genes. When the gene product is added to the spliceosome complex, activation occurs.[provided by RefSeq, Jan 2009]