

Product datasheet for **SC116070**

PRPF8 (NM_006445) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRPF8 (NM_006445) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRPF8
Synonyms:	HPRP8; PRP8; PRPC8; RP13; SNRNP220
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006445, the custom clone sequence may differ by one or more nucleotides

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006445 unedited
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 GATT

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006445 unedited CTATGAACCGCGGCCGAATCTANGATCGAGTTCTATTTATACAAAATTTATTATTATTTTTATTTCAGGATGACAA CCCATCAGGAGGTCAACAACCAACCCAGACAGAGGGAAAAAGGCCAAACTGCTGAATG TCACCGGCCTGTCTGGAGGGCTGAGGCTTCGGCCTCGGGAGGCTGAACCAGGAGGCAGG GAAACGGTCAGGCATACAGGTCCTCCCGATCCGCAAAGTAAACCTCCCCCTCCTGCAGGA AACCAAAATTTGAGGAAGTAAAAGGGCCTGCCACCTCGTGAAAAACTCTTTGGGGTTCC CCAGCTGTACCTCATATTTTCATGTTGGGGTCATGCCAAACACCCATGAAGTTGTATTTC ACGAGGACTGGGCAGGGACCATGAAAAACCAAGGAAACGGTCCGACAGCAGCATCTGCA CCCTTTAATAGTGTGAAGGCAGGTACCCCTTGGGGTTGTTGCCCTTGTCTGTGTTCTGGC GGCCCCATTTCGTAGCCACTGGGGTACCTTGTAGGCCGTGAGTGTACAGGACCTGGCG TGAACCTGCATGTGATGATAATGGTCTTCTCGCCATCCCAAGATGGGTTGCCACCCATGA TCTTGGCATGGGTGGTACATCTGGGGTATAACTGCGGGGACTCATTGGGCTGATTGT GGATCAAACCTCAGGGTCCATCTTCTGAAGAACTCATGCTGGGGCACCTGCCAGCAA GTCCCCGTCTTGAAGTGCCCCATGGGCACCTTACATGCAAGGGATCTCCTTACCTGGGG GTATTGGGGGCCCCCCCATATAGTTCCCGCATTGGCCCAAGCACAAATCCAATT
Restriction Sites:	NotI-NotI
ACCN:	NM_006445
Insert Size:	7140 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_006445.2 , NP_006436.2
RefSeq Size:	7311 bp
RefSeq ORF:	7311 bp
Locus ID:	10594
UniProt ID:	Q6P2Q9
Cytogenetics:	17p13.3
Domains:	JAB_MPN
Protein Families:	Druggable Genome
Protein Pathways:	Spliceosome

Gene Summary:

Pre-mRNA splicing occurs in 2 sequential transesterification steps. The protein encoded by this gene is a component of both U2- and U12-dependent spliceosomes, and found to be essential for the catalytic step II in pre-mRNA splicing process. It contains several WD repeats, which function in protein-protein interactions. This protein has a sequence similarity to yeast Prp8 protein. This gene is a candidate gene for autosomal dominant retinitis pigmentosa. [provided by RefSeq, Jul 2008]