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Product datasheet for SC112701

PRP18 homolog (PRPF18) (NM_003675) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRP18 homolog (PRPF18) (NM_003675) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRP18 homolog
Synonyms:	hPrp18; PRP18
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003675, the custom clone sequence may differ by one or more nucleotides

ATGGACATTCTGAAATCAGAGATCCTTCGGAAGCGGCAGCTGGTGGAGGACAGGAACCTGCTGGTGGAAA
ATAAAAAATATTTCAAGCGTAGTGAGCTCGCCAAAAAAGAAGAGGAAGCATATTTTGAAAGATGTGGCTA
CAAGATACAGCCAAAAGAGGAGGACCAGAAACCATTAACTTCATCGAATCCAGTGTTAGAACTTGAACTG
GCAGAGGAAAAATTACCTATGACGCTTTCTAGGCAAGAGGTCATCAGAAGATTGAGAGAAAGAGGAGAAC
CAATCAGACTATTTGGAGAGACTGATTATGATGCTTTTCAACGTTTAAGGAAAATAGAGATCCTCACACC
AGAAGTTAACAAGGGATTGAGGAATGATTTGAAAGCAGCCTTGGATAAGATTGATCAGCAGTACCTCAAT
GAAATCGTCGGCGGTCAGGAGCCTGGAGAGGAAGACACACAGAATGATCTGAAAGTTCATGAGGAAAACA
CCACAATTGAAGAGTTAGAGGCGCTTGGAGAGTCCTTAGGGAAAGGCGATGATCATAAAGACATGGACAT
CATCACCAAATTCCTGAAGTTTCTTCTTGGCGTTTGGGCTAAAGAATTGAATGCCAGAGAAGATTATGTG
AAACGCAGTGTGCAGGGTAAACTGAACAGTGCGACCCAGAAACAGACCGAGTCCTACCTAAGACCACTTT
TTAGAAAGCTACGGAAAAGGAATCTTCCTGCTGATATTAAAGAATCAATAACGGATATTATTAAATTCAT
GTTGCAGAGAGAATACGTGAAGGCAAATGATGCTTATCTTCAGATGGCCATTGGAAATGCGCCTTGGCCC
ATCGGTGTCACTATGGTTGGTATCCATGCCAGAACTGGCAGAGAAAAGATTTTTTCCAAGCATGTTGCAC
ATGTTTTAAATGACGAAACTCAGCGGAAATATATTCAGGGATTGAAGAGGTTAATGACCATTTGCCAGAA
ACACTTTCCTACAGACCCATCCAAATGTGTGGAGTACAATGCACTGTGA

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003675 unedited
GGTCACATTTGTACACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGGTGGGTTCGC
GGCCGCCGGCCCAGTGAGGCTGGGTTCGAGGAGCTGGAGCGGGAAACTGGAGCTTAAATT
CTGGCGGCGAGATGGACATTCTGAAATCAGAGATCCTTCGGAAGCGGCAGCTGGTGGAGG
ACAGGAACCTGCTGGTGGAAAATAAAAAATATTTCAAGCGTAGTGAGCTCGCCAAAAAAG
AAGAGGAAGCATATTTTGAAAGATGTGGCTACAAGATACAGCCAAAAGAGGAGGACCAGA
AACCATTAACTTCATCGAATCCAGTGTTAGAACTTGAACTGGCAGAGGAAAAATTACCTA
TGACGCTTTCTAGGCAAGAGGTCATCAGAAGATTGAGAGAAAGAGGAGAACCAATCAGAC
TATTTGGAGAGACTGATTATGATGCTTTTCAACGTTTAAGGAAAATAGAGATCCTCACAC
CAGAAGTTAACAAGGGATTGAGGAATGATTTGAAAGCAGCCTTGGATAAGATTGATCAGC
AGTACCTCAATGAAATCGTCGGCGGTCAGGAGCCTGGAGAGGAAGACACACAGAATGATC
TGAAAGTTCATGAGGAAAACACCACAATTGAAGAGTTAGAGGCGCTTGGAGAGTCCTTAG
GGAAAGGCGATGATCATAAAGACATGGACATCATCACCAAATTCCTGAAGTTTCTTCTTG
GCGTTTGGGCTAAAGAATTGAATGCCAGAGAAAGATATGTGAAACGCAGTGTGCAGGGTA
AACTGAAACAGTGCGACCCAGAAACAGACCGAGTCCTACCTAAGACCCCTTTTAGAAGCT
ACCGAAAAGAATCTCCTGCTGATATAAAGAATCATAACGGTTTTTTTTAATTCTGTTGCA
GAGAGAATACTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003675 unedited
ACCCTTCTGTGNACCGCGGCCCGCAATCTANNGATCGGNTTTTTTTTTTTTTTTTTTTTT
CAAGGCCCCATGTTTTTGAAATATATAAAAATATTTTATATAAATATTACATAAAAGACA
ATAGGCAAATTATAATATTTTACTGAAATAATTAAGTCCATCCTCAAATGTTTCTTTTTA
ATCATCTAACCACAACTTTCGGGTCAACTGAAAAAAAAGGTCATTTTAAACCCCCTTCTG
TTGTCTATGGATTTAAATTGGGAGGAAAAATCTTTAAAACTTAATTTTGGACTAATTAAA
ATGAAAGCAAGAAAGAAAAATCAGCTTGCAGTCAGATATGAAATGAAGGCCAACAAAGTT
CTTAAAACCAATCAAGAGTTACATCAGGTAGAACTCAAAGACTGGAAACTCCAGTTTTCT
TCTTTCCTCATTCCTGTGGGAAATTCCAGAAGTCCACAGCCTGCTTCCCTAAGTTTCTTA
TTGTTATTAACACACCATACACAGATCTCACAGTGCATTGTACTCCACACATTTGGATGG
GTCTGTAGGAAAGTGTTTCTGCCAAATGGCCATTAACCTCTTCAATCCCTGAATATATTC
CCGCTGAGCTTCGCCATTAAAAACATGTGCAACATGCTTGGAAAAAATCTTTTCTCTGCC
AGTTCTGGCATGGATACCACCCTTAGCGACACCGATGGGCCAAGGCGCATTTCCCATGGC
CATTCGAAGATAACCATATTTGCCTTACCGCATTCCTTCTGAAACATGACTTACATAACA
TCCGCTATTGATCCCTTAAATACAGCAGGAAGATCCCTTTTCCGCAGCTTTTCAAAAAGT
GTTCTAAGCAGGACCCCGGCCTGTTTTGGACACCTTGGCAATTCCCCCCGCAACCTGCAT
TACCAATACTCGACGGGCTTTAACGTTCTAGTTATACCACACAG

Restriction Sites: NotI-NotI

ACCN: NM_003675

Insert Size: 1590 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_003675.2, NP_003666.1
RefSeq Size:	1711 bp
RefSeq ORF:	1029 bp
Locus ID:	8559
UniProt ID:	Q99633
Cytogenetics:	10p13
Domains:	SFM, Prp18
Protein Pathways:	Spliceosome
Gene Summary:	Pre-mRNA splicing occurs in 2 sequential transesterification steps. The protein encoded by this gene is found to be essential for the catalytic step II in pre-mRNA splicing process. It is found in the spliceosome, and contains seven WD repeats, which function in protein-protein interactions. This protein has a sequence similarity to the yeast splicing factor Prp18. [provided by RefSeq, Jul 2008]