

Product datasheet for SC107962

PRPF4B (NM_003913) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRPF4B (NM_003913) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRPF4B
Synonyms:	dj1013A10.1; PR4H; PRP4; PRP4H; PRP4K
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_003913 edited
 ATGGCCGCCGCGGAGACCCAGTCGCTACGGGAGCAGCCAGAGATGGAAGATGCTAATTCT
 GAAAAGAGTATAAATGAAGAAAATGGAGAAGTATCAGAAGACCAGTCTCAAATAAGCAC
 AGTCGTACAAAAAAGAGCATAAACACAGAAGTAAACATAAGAAACATAAACATTCC
 TCAGAAGAACAGGATAAAAAACATAAACATAAGCATAAACATAAGAAACACAAAAAGA
 AAAGAGATTATTGATGCTTCTGATAAAGAGGGTATGTCTCCAGCAAAAAGAACTAACTT
 GATGATTTAGCTTTGCTAGAAGACTTGGAAAAACAGAGAGCCTTGATTAAGGCCGAACTT
 GATAATGAGTTAATGGAAGGAAAGGTCCAGTCTGGTATGGGGCTCATTTTGCAAGTTAT
 GAGTCTGGCTCTGAAGAAGAGGGGAAATTCATGAAAAGGCAAGAAATGGAAATAGGTCT
 AGTACTAGATCTTCAAGTACAAAGGGGAACTTGAACCTGTGGACAATAAAATTACTACA
 AAGAAACGAAGTAAAAGCAGATCCAAGAACGGACTAGACATAGGTCTGATAAAAAGAAA
 AGTAAGGGGGATTGAAATCGTTAAAGAGAAAACAACACTAGGAGCAAGTCAAAGGAGAGG
 AAAAAATCTAAAAGCCATCCAAAAGAAGTAAAGTCTCAAGATCAAGCAAGGAAATCAAAA
 TCCCCTACCTTAGAAGGCGATCTCAAGAGAAAATTTGGTAAGGCCAGATCTCCTACTGAT
 GATAAGGTTAAAATTGAAGATAAAAAGTAAATCAAAGATAGGAAAAATCCCAATTATA
 AATGAAAGTAGAAGTCGCGATCGAGGTAATAAATCCAGATCCCCAGTTGATTTAAGAGGT
 AAATCCAAAGACAGAAGGTCACGGTCCAAGAGAGAAAAATCAAACGGTCTGAACTGAT
 AAAGAAAAAGCAATTAATCTCCCTCTAAAGATGCTTCATCTGGGAAAGAAAAATAGG
 TCACCCAGCAGAAGACCTGGTCGTAGTCTTAAAGAAGAAGTTTGTCTCCAAAACACGCT
 GATAAATCAAGAAGAAGCAGGTCTCCACTTTTGAATGATAGAAGATCTAAGCAGAGCAAA
 TCCCCTCGCGGACACTGTCTCCTGGGAGAAGAGCCAAGAGCCGATCCTTAGAAAAGAAA
 CGACGAGAACCAGAGAGGAGACGACTTTCTTCTCCAAGAACACGACCTCGAGATGATATC
 CTCAGTAGACGTGAAAGATCAAAGATGCCAGCCCATCAATAGATGGTCTCCAACCCGA
 AGAAGAAGTAGATCTCCATTAGAAGGAGGTCTCGTTCCCCTCAGACGTAGCAGGTCT
 CCAAGAAGAAGCAGATCTCCTCGGAGAAGGGACAGAGGTCCGAGGAGCAGATCACGC
 TTGCCAAGGCGGTCTCGATCACGCGGTGGTCGTAGACGAAGGAGCAGAAGCAAAGTAAAG
 GAAGATAAATTTAAAGGAAGTCTTCTGAAGGAATGAAAGTTGAGCAGGAATCTTCGTCT



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GATGATAACCTTGAAGACTTTGATGTAGAGGAAGAAGATGAAGAAGCCCTAATAGAACAG
 AGAAGAATCCAAAGGCAGGCAATTGTTTCAGAAATATAAATACCTTGCTGAAGATAGCAAC
 ATGTCTGTGCCATCTGAACCAAGCAGCCCCAGAGCAGTACGAGAACACGATCACCATCT
 CCAGATGACATTTCTGGAGCGAGTAGCTGCTGATGTTAAAGAGTATGAACGGGAAAATGTT
 GATACATTTGAGGCCTCAGTGAAAGCCAAGCATAATCTAATGACAGTTGAACAGAATAAT
 GGTTTCATCTCAGAAGAAGTTGTTGGCACCTGATATGTTTACAGAACTGATGATATGTTT
 GCTGCGTATTTTGATAGTGCTCGTCTTCGGGCCGCTGGCATTGGAAAAGATTTCAAAGAG
 AATCCCAACCTCAGAGATAACTGGACCGATGCAGAAGGCTATTATCGTGTGAACATAGGT
 GAAGTCCTAGATAAACGTTACAATGTGTATGGCTACACTGGGCAAGGTGTATTTCAGTAAT
 GTTGTACGAGCCAGAGATAATGCAAGAGCCAACCAAGAAGTGGCTGTAAAGATCATCAGA
 AACAAATGAGCTCATGCAAAAGACTGGTTTAAAAGAATTAGAGTCTTGAAAAAATTAAT
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 CAGCATCTTTGTCTGGTATTCGAGCCTCTCAGCATGAACCTACGAGAGGTGTTAAAAAAA
 TATGGTAAAGATGTTGGTCTTCATATTAAGCTGTAAGATCCTATAGTCAGCAGTTGTTT
 CTGGCATTGAAACTCCTTAAAAGATGCAATATCCTACATGCAGATATCAAGCCAGACAAT
 ATCCTGGTTAATGAATCCAAAACATTTTTAAAGCTTTGCGATTTTGGGTGGGCTTACAT
 GTTGCGGATAATGACATAACACCTTATCTTGTCTAGTAGATTTTATCGTGTCTCTGAAATC
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 GAACTCTATACTGGAAAAATTTTATCCCTGGCAAAACCAATAACCATATGCTGAAGCTT
 GCAATGGATCTCAAAGGAAAGATGCCAAATAAGATGATTCGAAAAGGTGTGTTCAAAGAT
 CAGCATTTTGATCAAAATCTCAACTTCAATGTACATAGAAGTTGATAAAGTAAACAGAGAGG
 GAGAAAAGTTACTGTTATGAGCACCATTAATCCAACCTAAGGACCTGTTGGCTGACTTGATT
 GGGTGCCAGAGACTTCTGAAGACCAACGTAAGAAAAGTACACCAGCTAAAGGACTTGTTG
 GACCAGATTCTGATGTTGGACCCAGCTAAACGAATTAGCATCAACCAGGCCCTACAGCAC
 GCCTTCATCCAGGAAAAATTTAA

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_003913 unedited
 TCACAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCCGGGAGCCGC
 CGCCACCGCCCGGAGGAGTCAGGAAGTTCAAGATGGCCGCCGAGACCCAGTCGCTA
 CGGGAGCAGCCAGAGATGGAAGATGCTAATTTCTGAAAAGAGTATAAATGAAGAAAATGGA
 GAAGTATCAGAAGACCAGTCTCAAAATAAGCACAGTCGTCACAAAAAAAAGCATAAAA
 CACAGAAGTAAACATAAGAAACATAAACATTCCTCAGAAGAAGACAAGGATAAAAAACAT
 AAACATAAGCATAAACATAAGAAACACAAAAGAAAAGAGATTATTGATGCTTCTGATAAA
 GAGGGTATGTCTCCAGCAAAAAGAACTAAACTTGATGATTTAGCTTTGCTAGAAGACTTG
 GAAAAACAGAGAGCCTTGATTAAGGCCAACTTGATAATGAGTTAATGGAAGGAAAGGTC
 CAGTCTGGTATGGGGCTCATTTTGCAAGGTTATGAGTCTGGCTCTGAAGAAGAGGGGGAA
 ATTCATGAAAAGGCAAGAAATGGAATAGGTCTAGTACTAGATCTCAAGTACAAAGGGG
 AAACCTGAACTTGTGGACAATAAAATTAACAAGAAACGAAGTAAAAGCAGATCCAAA
 GAACGGACTAGACATAGGTCTGATAAAAAGAAAGTAAAGGGGGATTGAAATCGTTAAAG
 AGAAACAACATATGAGCAAGTCAAACGAGAGGAAAAAATCTAAAAGCCCTTCAACAGAGTA
 AGTCTCAAGATCAAGCCAGGAAATCAAAATCCCCTACCCTTAGAAGGCGATCTTTAGAAG
 AAAATGGTAAGGCCAGATCTCCTACTGATGATTAGGGTAAAATGGAGATACAAGTAAAT
 AAAAGAATGGTACAATCCCCTTCTAATTGAAGATTAAGTCCGACGGAGTAAAAATTTCTA
 ATCCCAGTGATTTAAGAGGA

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003913 unedited GGAATTCTATGTACGCGGCCGCATTCTANATCGAGTTTTTTTTTTTTTTTTTTTGGATAATA AGAGGCATATTTTATTCAGTTTCCCAGTAAGTCAATTAGAAACATGCACTGCTAAAATGC AAGTTACAATTCAAATGGTACCATAAATAATTAGAGTACACACTGAGCATTTCAGAAAT CAGCTTCCATATCTTGATCACTAAATGGAAAGTTCTTCAGAACAGTCCCTTACCCTATA TACAGAAGGAGAAGAAAAATTAAGGATGCCATAATGACATCTATCAGAATAACTGGAAAA CATTTTAATTTAGCATAACATTATTGACATGTAAAAAACACAAATGAATTTGTCGTGAACA TTTCTATAAGGAAGACATTCCATTAGGAGGAGAATGATAAAATTCATGTTGAATATATGC TGGAACTAGGATACTATTAAGAAAGAAACACATTTATGAAGCCCAATTGGTAAAGATGTC ATTATACTAAATGAGGAAAATTACATATTTGAATATATGGCTTTCTTTCTATCTTCAA CATTCAAAGGGCCATTTCTTACTACTTCGCCTAAATTTTATCATGTTGATTCTTTGT TTCATCTCAGAGATTTTATTTCTACCCCATATAGCTAGAGTTCTGCTTACAAATGATAAA ATACAGGTAAAGCATAAGAGGAATGCAAAATGGAACAAAACACTGAGAACATTACATTTTA CTTACTCTACCACATACCATAAAACAGTACATAAATATTTCAATTTGAAAAAAAAGTCTCT GAGTACTTATTTTGTANGGATAAAGTGGTACTTAATAATGGCAAACATTTCTATTAT TTTAAACANAATTTGAGACAGTNGAGTGAATGAGATAGCTATCAGGGGATGAAGAAACCA GATGTTT
Restriction Sites:	NotI-NotI
ACCN:	NM_003913
Insert Size:	5000 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_003913.3 , NP_003904.2
RefSeq Size:	6681 bp
RefSeq ORF:	3024 bp
Locus ID:	8899
UniProt ID:	Q13523
Cytogenetics:	6p25.2
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase

Gene Summary:

Pre-mRNA splicing occurs in two sequential transesterification steps, and the protein encoded by this gene is thought to be involved in pre-mRNA splicing and in signal transduction. This protein belongs to a kinase family that includes serine/arginine-rich protein-specific kinases and cyclin-dependent kinases (CDKs). This protein is regarded as a CDK-like kinase (Clk) with homology to mitogen-activated protein kinases (MAPKs). [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the protein-coding transcript.