

Product datasheet for SC323624

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 within SC323624 sequence for NM_003913 edited (data generated by NextGen Sequencing)

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ATGGCCCGCGGAGACCCAGTCGCTACGGGAGCAGCCAGAGATGGAAGATGCTAATTCT
GAAAAGAGTATAAATGAAGAAAAATGGAGAAGTATCAGAAGACCAGTCTCAAAATAAGCAC
AGTCGTACAAAAAAGAGCATAAACACAGAAGTAAACATAAGAAACATAAACATTCC
TCAGAAGAAGACAAGGATAAAAACATAAACATAAGCATAAACATAAGAAACACAAAAGA
AAAGAGATTATTGATGCTTCTGATAAAGAGGGTATGTCTCCAGCAAAAAGAACTAACTT
GATGATTTAGCTTTGCTAGAAGACTTGGAAAAACAGAGAGCCTTGATTAAGGCCGAACTT
GATAATGAGTTAATGGAAGGAAAGGTCCAGTCTGGTATGGGGCTCATTTTGCAAGTTAT
GAGTCTGGCTCTGAAGAAGAGGGGAAATTCATGAAAAGGCAAGAAATGGAATAGGTCT
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GAAGATAAATTTAAAGGAAGTCTTTCTGAAGGAATGAAAGTTGAGCAGGAATCTTCGTCT
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 CAGCATTTTGTACAAAATCTCAACTTCATGTACATAGAAGTTGATAAAGTAACAGAGAGG
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 GACCAGATTCTGATGTTGACCCAGCTAAACGAATTAGCATCAACCAGGCCCTACAGCAC
 GCCTTCATCCAGGAAAAATTTAA

Clone variation with respect to NM_003913.4
 2150 a=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for mutant NM_003913 unedited
 CCGCCCGTTGAGCAATGGCGGTAGCGGTACGGAGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGAA
 CCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCCGGGAGCCCGCCG
 CACCGCCCGGAGGAGTCAAGAGTTCAAGATGGCCGCGGAGACCCAGTTCGTACGGGAGCAGCCAG
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 AAATAAGCACAGTCGTCACAAAAAAGAAGCATAAAACACAGAAGTAAACATAAGAAACATAAACGTTCC
 TCAGAGGAGAACAAGGATAAAAAACATAAACATAAAGCTTAACTTAAGAAACCCAAAAGAAAAGGAGATT
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 TGGTATATATATCTCGATAAAGGGGACTCTGCTTTGTGCCCTAAAATTCCTCAGAACGAATTAACCGT
 CCCAGACGGCTTCTTGGTGGATAAGAAGATGGGGGTTGAACGTTAGGAAACTTGGCGTCTAGGAGAAAT
 TAGCTCCAAATGTCCATAGCGGACATCTCTAGAGTCAGAATGAGCGATCTCGAAAGGATGAAGATACA
 TAGGATCCTAAGTAGTGTCTCGTAATCTTCTTTG

Kinase Domain Sequence:

>SC323624 kinase domain raw sequence. By performing [BLASTX](#) analysis with this sequence against NCBI reference protein database, you can confirm the presence of the kinase-deficient mutation
 GKGCWTGGCTAMCTGGGCAGGTGATTTCAGTAATGTTGTACGAGCCAGAGATAATGCAAGAGCCAACCAA
 GAAGTGGCTGTAATGATCATCAGAAACAATGAGCTCATGCAAAAGACTGGTTTAAAAGAATTAGAGTTCT
 TGAAAAAATTAATGATGCTGATCCTGATGACAAATTTTATTGTCTGAGACTCTTCAGGCACTTCTATCA
 CAAGCAGCATCTTTGTCTGGTATTCGAGCCTCTCAGCATGAACTT

Restriction Sites:

Please inquire

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).
OTI Annotation:	This kinase-deficient mutant clone was generated by created by site-directed mutagenesis from the corresponding wild-type clone. See details in "Application of active and kinase-deficient kinome collection for identification of kinases regulating hedgehog signaling." Cell, 2008 May p536-548.
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:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the protein-coding transcript.</p>