

Product datasheet for **RG205508**

PRPF4B (NM_003913) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRPF4B (NM_003913) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRPF4B
Synonyms:	dj1013A10.1; PR4H; PRP4; PRP4H; PRP4K
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205508 representing NM_003913 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGCCGCGGAGACCCAGTCGCTACGGGAGCAGCCAGAGATGGAAGATGCTAATTCTGAAAAGAGTA
TAAATGAAGAAAATGGAGAAGTATCAGAAGACCAGTCTCAAATAAGCACAGTCGCACAAAAAAGAA
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CATAAGCATAAACATAAGAAACACAAAAGAAAAGAGGTTATTGATGCTTCTGATAAAGAGGGTATGTCTC
CAGCAAAAAGAACTAACTTGTATGATTTAGCTTTGCTAGAAGACTTGAAAAACAGAGAGCCTTGATTAA
GGCCGAACCTTGATAATGAGTTAATGGAAGGAAAGGTCCAGTCTGGTATGGGGCTCATTTTGCAAGGTTAT
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ATCCAAAGAACGGACTAGACATAGGTCTGATAAAAAGAAAAGTAAAGGGGGTATTGAAATCGTTAAAGAG
AAAACAAC TAGGAGCAAGTCAAAGGAGAGGAAAAATCTAAAAGCCATCCAAAAGAAAGTAAAGTCTCAAG
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CGTAGACGAAGGAGCAGAAGCAAAGTAAAGGAAGATAAAATTTAAAGGAAGTCTTTCTGAAGGAATGAAAG
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 TGACTTGATTGGGTGCCAGAGACTTCTGAAGACCAACGTAAGAAAGTACACCAGCTAAAGGACTTGTG
 GACCAGATTCTGATGTTGGACCCAGCTAAACGAATTAGCATCAACCAGGCCCTACAGCACGCCTTCATCC
 AGGAAAAAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG205508 representing NM_003913
 Red=Cloning site Green=Tags(s)

MAAAETQSLREQPEMEDANSEKSINEENGEVSEDQSQNKHSRHKKKKHKHSKHKHKHSSEEDKDKKHK
 HKHKHKHKRKEVIDASDKEGMSPAKRKLDDLLELEKQRALIKAELDNELMEGKVQSGMGLILQGY
 ESGSEEEGEIHEKARNGNRSSTRSSSTKGLELVDNKITTKRSKSRKERTHRSDKKKSKGGIEIVKE
 KTRRSKSKERKSKSPSKRSKSDQARKSKSPTLRRRSQEKIGKARSPTDDKVKIEDKSKSKDRKKSPII
 NESRSRDRGKKSRSVPDLRGKSKDRRSKSKERKSKRSETDKEKKPIKSPSKDASSGKENRSPRRPGRSP
 KRRSLSPKPRDKSRRSRPLNDRRSKQSKSPSRTLSPGRRAKSRSLERKRREPERRRLSSPRTRPRDDI
 LSRRERSKDASPINRWSPTRRRSRSPIRRERSPLRRRSRPRRRSRTRRRDRGRRSRSLRRRSRSGG
 RRRRSRSKVKEDKFKGSLSEGKVEQESSDDNLEDFDVEEEDDEALIEQRRIQRQAI VQKYKYL AEDSN
 MSVPSEPSQPSSSTRTRSPSPDDILERVAADVKEYERENVDTFEASVKAKHNLMTVEQNGSSQKLLAP
 DMFTESDDMFAAYFDSARLRAAGIGKDFKENPNLRDNWTD AEGYRVNIGEVLDKRYNVYGYTGQGVFSN
 VVRARDNARANQEVAVKIIRNNELMQKTGLKELEFLKKNLNDAPDDKFHCLRLLRHFYHKQHLCLVFEPL
 SMNLREVLKKYGKDVGLHIKAVRSYSQQLFLALKLLKRCNILHADIKPDNILVNESKTIKLCDFGSASH
 VADNDITPYLFSRFYRAPEIIIGKSYDYGIDMWSVGCTLYELTYGKILFPGKTNNHMLKLA MDLKGKMPN
 KMIRKGVFKDQHFQNLNFMYIEVDKVTEREKVTVMSTINPTKDLLADLIGCQRLPEDQRKQVHQLKDLL
 DQILMLDPAKRISINQALQHAFIQEKI

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_003913

ORF Size: 3021 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

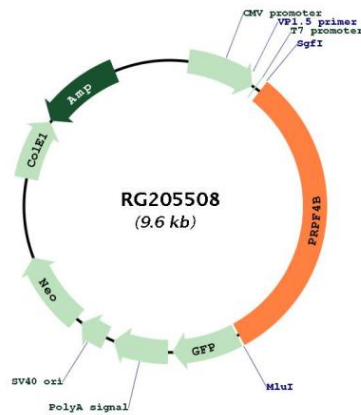
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_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]

Product images:



Circular map for RG205508