

Product datasheet for RR214341

Prpf4b (NM_001011923) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prpf4b (NM_001011923) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prpf4b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR214341 representing NM_001011923 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGGCCGCCACGGAGCCCCGTCGCTGCGGGAGCAACCTGAGATGGACGATGCTGATAATCTGAAAAGA
GTGTAATGAGGAAAATGGAGAAGTATCAGAAGACCAGTCTCAAATAAACACAGTCGTCATAAAAAA
GAAGCATAAACACAGAAGTAAACATAAGAAACATAAACATTCCTCAGAAGAAGATAGGGATAAAAAAC
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CAAAGCTGAGCTCGATAACGAGTTAATGGAGGGGAAGGTCAGTCTGGAATGGGGCTCATTCTGCAGGGC
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GAAAAAGCAAACAGGAGCAAGTCTAAGGAGAGGAGAAAAATCCAAAGTCCATCCAAAGAAGCAAATCTC
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AATAGAACAGAGAAGGATACAGAGGCAAGCAATTGTGCAGAAATATAAGTATCTTGCGGAAGATAGCAAT



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ATATCTGTGCCATCTGAGCCAAGCAGCCCCAGAGCAGCACAAGATCACGGTCCCCTTCGCCAGACGACA
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AGGAAAAAATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214341 representing NM_001011923
Red=Cloning site Green=Tags(s)

MAATEPPSLREQPEMDDADNSEKSVNEENGEVSEDQSQNKHSRHKKKKHKHSRKHKKKHSSEEDRDKK
KHKHKHKHKRKEVLDAADKEGLSPAKRTKLDLLEDEKQRALIKAELDNELMEGKVQSGMGLILQG
YESGSEEEGEIHEKARNGNRSSSTRSSSTRGKLEITDNKNSAKKRKSRKSKERTHRSDKRKSKGAVEMMR
EKANRSKERRKSKSPSKRSKQDQARKSKSPTLRRRSQEKVKGARSPADEKIKSEEKGIKDRKKSPI
VNERSRDRSKKSPVDLRDKSKDRRSRKRKSKRSEIDKEKPIKSPSKDASSGKENRSPRRRGRSP
KRRSLSPKQRDKSRRSRPLNDRRSKQSKSPSRTLSPGRRAKRSRLERKRREPERRRLSSPRTRPRDDI
LGRCSKASPINRWSPRRRSRSPIRRRSRPLRRSRPRRRSRPRRRDRSRRSRLRRRSRSGG
HRRRSRKYKEDKFKGSLSEGKVEQESSDDNLEDFDVEEEDAEVIEQRRIQRQAIVQKYKYLAEASN
ISVPSESPQSSTRSRSPDDILERVAADVKEYERENVDTFEASVKAKHNLMTVEQNGSSQKLLAP
DMFTESDDMFAAYFDSARLRAAGIGKDFKENPNLRDNWTDAGYRNVNIGEVLDKRYNVYGYTGQVFSN
VVRARDNARANQEVAVKIIRNNELMQTGLKELEFLKKNLNDADPDKFHCLRLFRHFYHKQHLCLVFEPL
SMNLREVLKKGKDVGLHIKAVRSYSQQLFLALKLLKRCNILHADIKPDNILVNESKITLKLCDGFSASH
VADNDITPYLVSRFYRAPEIIIGKSYDYGIDMWSVGCTLYELYTGKILFPGKTNNHMLKLAIDLKGMKPN
KMIRKGVFKDQHFQNLNFMVIEVDKVTREKVTVMSTINPTKDLLADLIGCQRLPEDQRKQVHQLKDLL
DQILMLDPAKRISINQALQHAFIQEKI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

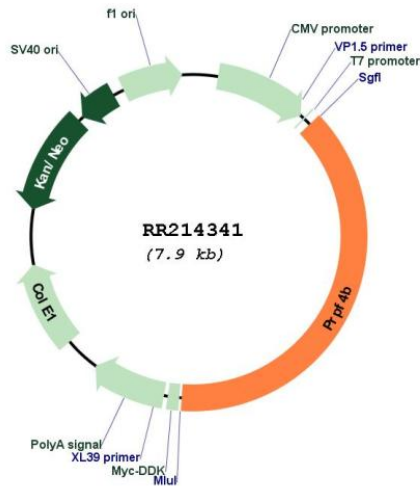
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001011923
 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:	<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_001011923.1 , NP_001011923.1
RefSeq Size:	4378 bp
RefSeq ORF:	3024 bp
Locus ID:	291078
UniProt ID:	Q5RKH1
Cytogenetics:	17p12
MW:	117 kDa
Gene Summary:	Has a role in pre-mRNA splicing. Phosphorylates SF2/ASF (By similarity).[UniProtKB/Swiss-Prot Function]