

Product datasheet for MR216087

Prpf4b (NM_013830) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prpf4b (NM_013830) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Prpf4b
Synonyms: 2610037H07; cbp143; Prp4; Prp4k; Prpk
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR216087 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGCCGCCACGGAGCCCCGTCCTGCGGGAGCAAGCTGAGATGGATGATGCTGATAATTCTGAAAAGA
 GTGTAATGAAGAAAATGGAGAGGTATCAGAAGACCAATCTCAAATAAACACAGTCGTACAAAAA
 GAAGCATAAACACAGAAGTAAACATAAGAAACATAAACATTCTCAGAAGAAGATAGGGATAAAAAAC
 AAACATAAGCATAAGCATAAGAAGCACAAACGGAAAGAAGTTATCGAGGCTCCGACAAAGAAGGCCTGT
 CCCCTGCAAAAAGAACTAAGCTTGATGATTTAGCTTTGCTGGAAGACTTGAAAAGCAGAGACCTTGAT
 TAAAGCTGAGCTTGATAATGAGTTAATGGAGGGGAAGGTCAGTCTGGAATGGGGCTCATTGCAAGGC
 TATGAGTCTGGCTCCGAAGAAGAAGGAGAGATTCAGAAAAGGCAAGAAATGGGAACAGGTCAGTACCA
 GGTCTTCCAGTACTCGGGGAAAACCTTGAATACGGACAACAAAAATAGTGCAAAGAAACGAAGTAAAG
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 AAGACCAAGCTAGAAAGTCAAAGTCCCCTCCACTCAGACGGCGGTCCCAAGAGAAAGTGGGAAGGCCAG
 ATCTCTGCTGAGGAGAAGATGAAGAGTGAAGAGAAAGGCAAAAATAAAGGATAGGAAAAATCACCAATT
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 ACAGAAGGTCAAGGTCCAAGAGCGGAAGTCAAACGATCTGAAATTGACAAAGAAAAGAAGCCAATTAA
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 GGTCTCCAATTAGAAGGAGTCCCGTCCCATGAGACGCAGCAGGTCTCTAGAAGAAGAAGCAGGTC
 TCCTCGGAGAAGAGATAGGAGCCGAAGGAGCAGGTCACGCTTGGAGAGAAGGTCTCGATCAGGGGTGGT



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CATAGGAGAAGGAGCAGAAGCAAAGTAAAGGAAGATAAAATTTAAAGGAAGTCTCTCAGAAGGAATGAAAG
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 TGACTTGATTGGTGCCAGCGACTTCTGAAGATCAACGTAATAAAGTACACCAGCTAAAGGACTTGTG
 GACCAGATCCTAATGTTGGACCCAGCTAAGCGAATTAGCATCAACCAGGCCCTGCAGCATGCATTCATCC
 AGGAAAAAATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216087 protein sequence
 Red=Cloning site Green=Tags(s)

MAATEPPSLREQAEMDDADNSEKSVNEENGEVSEDSQSNKHSRHKKKKHKHRSKHKHKHSSEEDRDKK
 KHKHKHKHKRKEVIEASDKEGLSPAKRKLDDLALLEDEKQRALIKAELELMEGKVQSGMGLILQG
 YESGSEEEGEIHEKARNGNRSSTRSSSTRGKLEITDNKNSAKKRSKRSKERTRRHRSKRSKRGEMLR
 EKANRSKSKERRKSKSPSKRSKSDQARKSKSPPLRRRSQEKVKGARSPAEEMKSEEKGIKDRKKSPI
 VNERSRDRSKKSPVDLRDKSKDRRSRKRKSKRSEIDKEKPKIKSPSKDASSGKENRSPRRPGRSP
 KRRSLSPKLRDKRRRSRPLNDRRSKQSKSPSRTLSPGRRAKSRSLERKRREPERRRLSSPRTRPRDDI
 LGRCERSKDASPINRWSPTRRRSRSPIRRRSRSPRRRSRSPRRRDRSRRSRSLRRRSRSGG
 HRRRSRQVFKEDKFKGSLSEGKVEQESSDDNLEDFDVEEEDDEALIEQRRIQRQAIVQKYKYLAEASN
 ISVPSESPSPQSSSTRSRSPDDILERVAADVKEYERENVDTFEASVKAKHNLMTVEQNGSSQKKILAP
 DMFTESDDMFAAYFDSARLRAAGIGKDFKENPNLRDNWTDAGYYRVNIGEVLDKRYNVYGYTGQGVFSN
 VVRARDNARANQEVAVKIIRNNELMQKTGLKELEFLKLNADPDDKFHCLRLFRHFYHKQLCLVFEP
 SMNLREVLKKGKDVGLHIKAVRSYSQQLFLALKLLKRCNILHADIKPDNILVNESKTIKLCDFGSASH
 VADNDITPYLVSRYRAPEIIGKSYDYGIDMWSVGTLYELTYGKILFPGKTNNHMLKLAAMDLCGKMPN
 KMIRKGVFKDQHFQNLNFMVIEVDKVTEREKVTVMSTINPTKDLLADLIGCQRLPEDQRKQVHQLKDLL
 DQILMLDPAKRISINQALQHAFIGEKI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_013830

ORF Size: 3024 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.

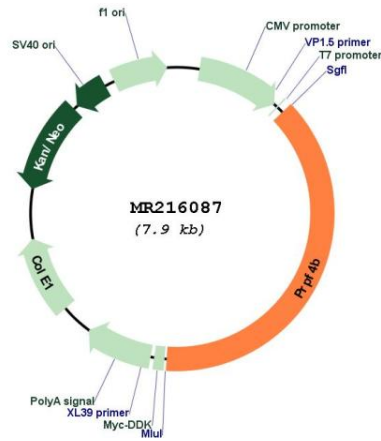
RefSeq: [NM_013830.3](#)

RefSeq Size: 4482 bp

RefSeq ORF: 3024 bp

Locus ID: 19134
UniProt ID: [Q61136](#)
Cytogenetics: 13 A3.3
MW: 117 kDa
Gene Summary: Has a role in pre-mRNA splicing. Phosphorylates SF2/ASF.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216087