

Product datasheet for **MG216087**

Prpf4b (NM_013830) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prpf4b (NM_013830) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Prpf4b
Synonyms: 2610037H07; cbp143; Prp4; Prp4k; Prpk
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG216087 representing NM_013830
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGCCACGGAGCCCCGTCCTGCGGGAGCAAGCTGAGATGGATGATGCTGATAATTCTGAAAAGA
GTGTAATGAAGAAAATGGAGAGGTATCAGAAGACCAATCTCAAATAAACACAGTCGTACAAAAA
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 GACCAGATCCTAATGTTGGACCCAGCTAAGCGAATTAGCATCAACCAGGCCCTGCAGCATGCATTCATCC
 AGGAAAAAATT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG216087 representing NM_013830
 Red=Cloning site Green=Tags(s)

MAATEPPSLREQAEMDDADNSEKSVNEENGEVSEDSQNKHSRHKKKKHHRKSKHKKHKSSEEDRDKKH
 KHKHKKHKKHRKEVIEASDKEGLSPAKRTKLDLALLEDELEKQRALIKAELDNELMEGKVQSGMGLILQG
 YESGSEEEGEIHEKARNGNRSSTRSSSTRGKLEITDNKNSAKKRSKRSKERTRHRSDKRKSKGAGEMLR
 EKANRSKSKERRKSKSPSKRSKSQDQARKSKSPPLRRRSQEKVKGARSPAEEMKSEEKGIKDRKKSPI
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 VADNDITPYLVSRFYRAPEIIGKSYDYGIDMWSVGCTLYELTYGKILFPGKTNNHMLKLA MDLKGKMPN
 KMIRKGVFKDQHFQNLNFMYIEVDKVTEREKVTVMSTINPTKDLLADLIGCQRLPEDQRKQVHQLKDLL
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TRTRPLE – GFP Tag – V

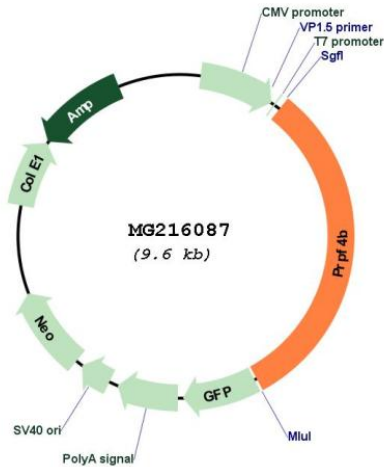
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_013830

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_013830.3
RefSeq Size:	4482 bp
RefSeq ORF:	3024 bp
Locus ID:	19134
UniProt ID:	Q61136
Cytogenetics:	13 A3.3
Gene Summary:	Has a role in pre-mRNA splicing. Phosphorylates SF2/ASF.[UniProtKB/Swiss-Prot Function]