

Product datasheet for **MG216132**

Prpf38a (NM_172697) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prpf38a (NM_172697) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prpf38a
Synonyms:	2410002M20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216132 representing NM_172697 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGAACCGTACAGTGAAGGATGCCACAGCATCCATGGCACCAACCCTCAGTATCTGGTGGAGAAGA
TCATCCGGACGCGAATCTATGAATCAAAGTACTGGAAAGAAGAGTGTTTTGGACTTACAGCTGAACCTTGT
AGTGGACAAAGCCATGGAGTTAAAGTTCGTTGGTGGTGTGTATGGTGGAAACATAAAGCCAACCTCTTTT
TTGTGTTTAACTTGAAAATGCTTCAGATTCAACCTGAGAAGGATATCATTGTTGAGTTCATAAAAAATG
AAGATTTCAAGTATGTCCGGATGCTGGGGGCACTTTACATGCGGCTCACAGGAACGCAATTGATTGCTA
CAAGTACTTGGAGCCTTTGTACAATGACTATCGAAAAATCAAGAGCCAGAACCGAAATGGAGAGTTTGTG
CTGATGCATGTAGATGAGTTCATTTATGAACCTCTGCACAGTGAGAGAGTCTGTGATATCATTTTGGCCC
GGCTACAGAAACGGTATGTGCTGGAAGAAGCTGAGCAACTGGAGCCTCGAGTTAGTGCCTAGAAGAGGA
CATGGATGATGTGGAGTCTAGTGAGGAAGAGGAGGAGGAAGATGAGAAGCTTGAAAGAGTGCCATCACCT
GACCATCGAAGAAGAAGCTACAGAGATTTGGACAAGCCAAGCGTTTACCTGCACTGCGCTACAGGAGGA
GCCGGAGTCGTTCTCCAGAAGGCGGAGTAGATCCCCTAAAAGAAGAAGTCTTCTCCCCGAAGAGAAAG
GCATAGGAGCAAGAGTCCACGACGCCATCGGAGCAGGTCTAGAGACAGACGACACAGTCCCGCTCTAAA
TCCCCAGGTCACCACCGTAGTCACAGACATAGAAGCCACTCAAAGTCTCCTGAAAGGTCTAAGAAAAGCC
ACAAGAAGAGCCGGAGGGGAAATGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG216132 representing NM_172697
Red=Cloning site Green=Tags(s)

MANRTVKDAHSIHGTNPQYLVEKIIIRTRIYESKYWKEECFGLT AELVVDKAMELK FVGGVYGGNIKPTPF
 LCLTLKMLQIQEKDII VEFIKNEDFKYVRMLGALYMRLTGTAIDCYKYLEPL YNDYRKIKSQNRNGEFV
 LMHVDEFIYELLHSERVCDIILPRLQKRYVLEEAEQLEPRVSALEEDMDDVESSEEEEEDEKLERVPS
 DHRRRSYRDLKPRRSPALRYRRSRSPRRSRSPKRRSPSPRRERHRSKSPRRHRSRSDRRHRSRSK
 SPGHRSHRHRSHSKSPERSKSHKKSRRGNE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172697

ORF Size: 936 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_172697.3](#), [NP_766285.2](#)

RefSeq Size: 1519 bp

RefSeq ORF: 939 bp

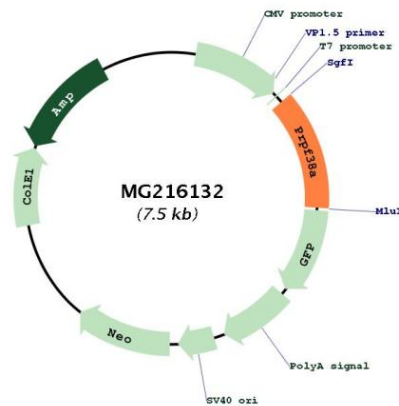
Locus ID: 230596

UniProt ID: [Q4FK66](#)

Cytogenetics: 4 C7

Gene Summary: Involved in pre-mRNA splicing as a component of the spliceosome.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216132