

Product datasheet for **MG215937**

Prpf40b (NM_018786) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prpf40b (NM_018786) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prpf40b
Synonyms:	2610317D23Rik; Hycp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG215937 representing NM_018786
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGCCACCACCTTCATGCCCCCTCCAGGGCTCCACCTCCTTTTCTCCGATGGGGCTCCCCCTA
 TGAGTCAGAGACCACCAGCCATTCCCCCATGCCACCTGGCATACTGCCCAATGCTTCCACCAATGGG
 GGCACCGCCACCCTTACACAGATACCAGGAATGGTCCCTCCAATGATGCCGGGGATGCTGATGCCAGCG
 GTGCCTGTCACTGCAGCGACGGCTCCGGGTGCGGACACCGCCAGCTCTGCTGTGGCTGGAACAGGCCCTC
 CGAGGGCCTTATGGAGTGAGCACGTAGCCCTGACGGGCGCATCTACTACTACAATGCTGATGATAAGCA
 ATCCGTGTGGGAGAAGCCAGCGTACTCAAGTCTAAGGCAGAGCTGCTGCTGTCCAGTGTCCCTGGAAA
 GAGTATAAGTCAGATACAGGGAAGCCTTACTACTACAACAACCAGAGTCAGGAGTCCCGGTGGACTCGGC
 CCAAGGACCTGGATGACCTGGAAGCCCTCGTCAAACAAGAGTCTGCAGGAAAACAGCAGACCCAGCAACT
 ACAGACTACAGCCACAACCACCTCAGCCACAGCTGACCTCCACCTATACCTCCGGGTCCCATCCCA
 GTGCCTATGGCCCTCCTGGAACCTGAACCAGGTGGAAGTGAAGACTGTGATGTGCTGGAGGCTGCCAGC
 CCCTGGAGCAGGGCTTCTGCAGCGGGAGGAGGGCCCCAGCAGCTCTACTGGACAGCATCGGCAGCCACA
 GGAAGAGGAGGAAGCTAAGCCAGAACCAGAGCGATCTGGCCTCAGTTGGAGCAACCGGGAGAAGGCAAAA
 CAGGCTTTCAAAGAACTGCTAAGGGACAAGGCTGTCCCTTCCAATGCTTCATGGGAACAGGCCATGAAGA
 TGGTAGTCACTGACCCCCGCTACAGTGCCTTGCCAAACTAAGTGAGAAGAAGCAGGCGTTTAAATGCTTA
 CAAGGCTCAGCGGGAGAAGGAGGAGAAAGAGGAGGCCCGCTGAGAGCCAAGGAGCCAAGCAGACCCTG
 CAGCATTTCTGGAACAGCATGAACGCATGACCTCCACCACCCGCTACCGGCGGGCAGAACAGACTTTTG
 GGGACCTGGAGGTCTGGGCTGTGGTCCCTGAGAGAGAGAGAAAGGAAGTTTATGATGATGTCTCTTCTT
 CCTGGCCAAGAAGGAGAAGGAACAAGCCAAGCAGCTCCGGCGTCCGAATATCCAGGCCCTGAAGAGCATC
 CTGGATGGGATGAGCAGTGTCAACTTCCAAACCCTTGGTCCCAGGCCAGCAGTACCTCATGGATAACC
 CCAGCTTTGCTCAGGACCAGCAGCTGCAGAATGGACAAGGAAGATGCACTTATCTGCTTTGAGGAGCA
 TATCCGGGCTTTGGAGAGAGAGGAGGAGGAAGAGCGAGAACGGGCCCGGCTTCGGGAGCGGCAGCAGCAG
 CGGAAGAATCGGGAGGCCTTTCCAGAGCTTCTGGACGAGCTGCATGAGACAGGGCAGCTGCACTCCATGT
 CCACCTGGATGGAGCTGTACCCGGCAGTCAGCACTGACGTTTCGCTTGGCAACATGCTGGCCAGCCGGG
 CTCTACTCCTTTGGACTGTTCAGTTCTATGTGGAGGAGTTGAAGGCTCGATTCCACGATGAGAAGAAG
 ATCATAAAGGATATCCTTAAGGATCGGGGCTTCTGTGTGGAGGTGAACACAGCATTGAGGACTTCGCC
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 GCTGGA AAAAGCAGAGGCACGGGAGAGGGAACGGGAAAAGGAGGAGGCCGAAGGATGCGGCGCAGAGAA
 GCTGCCTTTGCAAGCATGCTGAGGCAGGCCGTGCCTGCTCTGGAGCTGGGCACTGCCTGGGAAGAGGTCC
 GTGAGCGCTTTGTGTGCGACTCAGCCTTTGAGCAGATCACCTGGAGTCGGAGCGGATCCGGCTCTTCCG
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 GCCCTCCTCCTCACTTGATTGAGTTGAAAGTGGGGTGTGCTCTTGGAGGACCAGGCTCCCCATTTCC
 CAGCTTCTTCTGGGTGAGATCATGGTCTTCGGAAAACCAAGAAACCAAAAAAGAAAACCAAGAAAAGAA
 GACACAAGTCGACCAGTCTGACAGTGAGACGGACCCCGAAGACAAGCTGGTAAGGAGAGTGAAGACAG
 AGAACAGGAACAGGACAGGGAACCCCGGCAGGCAGAGCTCCCTAACCGTTCCCGAGGCTTCGGAATCAAG
 AAGGAGAAGACAGGCTGGGACACGTGAGAAAGCGAGCTGAGTGAAGGGGAGCTGGAGAGGCGAAGGCGGA
 CACTCCTACAGCAGCTGGACGACCACCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215937 representing NM_018786
 Red=Cloning site Green=Tags(s)

MMPPPFMPPGLPPFFPMGLPPMSQRPPAIPPMPPGILPPMLPPMGAPPPLTQIPGMVPPMPPGMLMPA
 VPVTAATAPGADTASSAVAGTGPPRALWSEHVAPDGRIYYNADDKQSVWEKPSVLKSKAELLSQCPWK
 EYKSDTGKPYYYNNQSQESRWTRPKLDLDDLEALVKQESAGKQQTQQLQTLQPQPQPDPDPPPIPPGPIP
 VPMALLEPEPGRSEDCDVLEAAQPLEQGFLQREEGSSSTGQHRQPQEEEEAKPEPERSGLSWSNREKAK
 QAFKELLRDKAVPSNASWEQAMKMVVTDPYSALPKLSEKKQAFNAYKAQREKEEKEEARLRAKEAKQTL
 QHFLEQHERMTSTTRYRRAEQTFGDLEWVAVPERERKEVYDDVLFLLAKKEKEQAKQLRRRNIQALKSI
 LDGMSSVNFQTTWSQAQQLMDNPSFAQDQQLQNMKDICALCFEEHIRALEREEEEERERARLRERRRQ
 RKNREAFQSFLDELHETGQLHSMSTMELYPVSTDVRFANMLGQPGSTPLDLFKFYVEELKARFHDEKK
 I IKDILKDRGFCVEVNTAFEDFAHVISFDKRAALDAGNIKLTFNLSLEKAEAREREREKEEARRMRRE
 AAFRSMRLQAVPALELGTAWEEVRERFVCDSAFEQITLESERIRLFREFLQVLETECQHLHTKGRKHGRK
 GKKHHRKRSHSPSVSRQSESEDEELPPPSLRPPKRRRRNPSESGSEPSSSLDSVEGGGALGGPGSPSS
 HLLLGS DHGLRKTKPKKKTKKRRHKSTSPDSETDPEDKAGKESDREQE QDREPRQAE LPNRSPGFGIK
 KEKTGWDTSESELSEGELEERRRRLTLLQLDDHQ

TRTRPLE - GFP Tag - V

Restriction Sites:

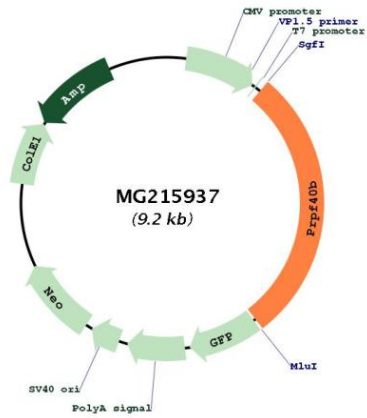
SgfI-MluI

Cloning Scheme:



ACCN:	NM_018786
ORF Size:	2619 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_018786.3
RefSeq Size:	3182 bp
RefSeq ORF:	2622 bp
Locus ID:	54614
UniProt ID:	Q80W14
Cytogenetics:	15 F1
Gene Summary:	May be involved in pre-mRNA splicing.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215937