

Product datasheet for **MG208829**

Prpf40b (BC082994) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prpf40b (BC082994) 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:

>MG208829 representing BC082994
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGCCACCACCTTCATGCCCCCTCCAGGGCTCCACCTCCTTTTCCTCCGATGGGGCTCCCCCTA
 TGAGTCAGAGACCACCAGCCATTCCCCCATGCCACCTGGCATACTGCCCAATGCTTCCACCAATGGG
 GGCACCGCCACCACTTACACAGATACCAGGAATGGTCCCTCCAATGATGCCGGGGATGCTGATGCCAGCG
 GTGCCTGTCACTGCAGCGACGGCTCCGGGTGCGGACACCGCCAGCTCTGCTGTGGCTGGAACAGGCCCTC
 CGAGGGCCTTATGGAGTGAGCACGTAGCCCTGACGGGCGCATCTACTACTACAATGCTGATGATAAGCA
 ATCCGTGTGGGAGAAGCCAGCGTACTCAAGTCTAAGGCAGAGCTGCTGCTGCCAGTGTCCCTGGAAA
 GAGTATAAGTCAGATACAGGGAAGCCTTACTACTACAACAACCAGAGTCAGGAGTCCCGGTGGACTCGGC
 CCAAGGACCTGGATGACCTGGAAGCCCTCGTCAAACAAGAGTCTGCAGGAAAACAGCAGACCCAGCAACT
 ACAGACTACAGCCACAACCACCTCAGCCACAGCTGACCTCCACCTATACCTCCGGGTCCCATCCCA
 GTGCCTATGGCCCTCCTGGAACCTGAACCAGGTGGAAGTGAAGACTGTGATGTGCTGGAGGCTGCCAGC
 CCCTGGAGCAGGGCTTCCTGCAGCGGGAGGAGGGCCCCAGCAGCTCTACTGGACAGCATCGGCAGCCACA
 GGAAGAGGAGGAAGCTAAGCCAGAACCAGAGCGATCTGGCCTCAGTTGGAGCAACCGGGAGAAGGCAAAA
 CAGGCTTTCAAAGAACTGCTAAGGGACAAGGCTGTCCCTTCCAATGCTTCATGGGAACAGGCCATGAAGA
 TGGTAGTCACTGACCCCCGCTACAGTGCCTTGCCAAACTAAGTGAGAAGAAGCAGGCGTTTAAATGCTTA
 CAAGGCTCAGCGGGAGAAGGAGGAGAAAGAGGAGGCCCGCTGAGAGCCAAGGAGGCAAGCAGACCCTG
 CAGCATTTCTGGAACAGCATGAACGCATGACCTCCACCACCCGCTACCGGCGGGCAGAACAGACTTTTG
 GGGACCTGGAGGTCTGGGCTGTGGTCCCTGAGAGAGAGAGAAGGAAGTTTATGATGATGCTCCTCTTCT
 CCTGGCCAAGAAGGAGAAGGAACAAGCCAAGCAGCTCCGGCGTCGGAATATCCAGGCCCTGAAGAGCATC
 CTGGATGGGATGAGCAGTGTCAACTTCCAAACCCTTGGTCCCAGGCCAGCAGTACCTCATGGATAACC
 CCAGCTTTGCTCAGGACCAGCAGCTGCAGAACATGGACAAGGAAGATGCACTTATCTGCTTTGAGGAGCA
 TATCCGGGCTTTGGAGAGAGAGGAGGAGGAAGAGCGAGAACGGGCCCGGCTTCGGGAGCGGCAGCAGCAG
 CGGAAGAATCGGGAGGCCTTTCAGAGCTTCTGGACGAGCTGCATGAGACAGGCCAGCTGCACTCCATGT
 CCACCTGGATGGAGCTGTACCCGGCAGTCAGCACTGACGTTTCGCTTGGCAACATGCTGGCCAGCCGGG
 TAAGCAGCCAGGCTTCCCCTTGTCTGCTGCTTTCCTACCCTGTCAGCCTCTCTGGACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208829 representing BC082994
 Red=Cloning site Green=Tags(s)

MMPPPFMPPPGLPFPFPPMGLPMPMSQRPPAIIPMPPGILPPMLPPMGAPPPLTQIPGMVPPMPPGMLMPA
 VPVTAATAPGADTASSAVAGTGPPRALWSEHVAPDGRITYYNNADKQSVWEKPSVLKSKAELLLSQCPWK
 EYKSDTGKPYYYNNQSQESRWTRPKDLDDLEALVKQESAGKQQTQQLQTLQPQPQPDPPPPIPPPIP
 VPMALLEPEPGRSEDCDVLEAAQPLEQGFLQREEGPSSTGQHRQPQEEEEAKPEPERSGLSWSNREKAK
 QAFKELLRDKAVPSNASWEQAMKVVTDPRYSALPKLSEKKQAFNAYKAQREKEEKEEARLRAKEAKQTL
 QHFLEQHERMTSTTRYRRAEQTFGDLEWVAVPERERKEVYDDVLFLLAKKEKEQAKQLRRRNIQALKSI
 LDGMSSVNFQTTWSQAQQYLMNPSFAQDQQLQNMKDALICFEEHIRALEREEEEERERARLRERRRQ
 RKNREAFQSFLDELHETGQLHSMSTWMELYPAVSTDVRFANMLGQPGKAARLPLVCSAFLPCQPLWT

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

ACCN:	BC082994
ORF Size:	1671 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:	BC082994.1
RefSeq Size:	3390 bp
RefSeq ORF:	1673 bp
Locus ID:	54614
Cytogenetics:	15 F1
Gene Summary:	May be involved in pre-mRNA splicing.[UniProtKB/Swiss-Prot Function]