

## Product datasheet for **MR208829**

### Prpf40b (BC082994) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prpf40b (BC082994) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prpf40b
Synonyms:	2610317D23Rik; Hycp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR208829 representing BC082994  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGATGCCACCACCTTCATGCCCCCTCCAGGGCTCCACCTCCTTTTCCTCCGATGGGGCTCCCCCTA  
 TGAGTCAGAGACCACCAGCCATTCCCCCATGCCACCTGGCATACTGCCCAATGCTTCCACCAATGGG  
 GGCACCGCCACCCTTACACAGATACCAGGAATGGTCCCTCCAATGATGCCGGGGATGCTGATGCCAGCG  
 GTGCCTGTCACTGCAGCGACGGCTCCGGGTGCGGACACCGCCAGCTCTGCTGTGGCTGGAACAGGCCCTC  
 CGAGGGCCTTATGGAGTGAGCACGTAGCCCTGACGGGCGCATCTACTACTACAATGCTGATGATAAGCA  
 ATCCGTGTGGGAGAAGCCAGCGTACTCAAGTCTAAGGCAGAGCTGCTGCTGCCAGTGTCCCTGGAAA  
 GAGTATAAGTCAGATACAGGAAGCCTTACTACTACAACAACCAGAGTCAGGAGTCCCGGTGGACTCGGC  
 CCAAGGACCTGGATGACCTGGAAGCCCTCGTCAAACAAGAGTCTGCAGGAAAACAGCAGACCCAGCACT  
 ACAGACTACAGCCACAACCACCTCAGCCACAGCTGACCTCCACCTATACCTCCGGGTCCCATCCCA  
 GTGCCTATGGCCCTCCTGGAACCTGAACCAGGTGGAAGTGAAGACTGTGATGTGCTGGAGGCTGCCAGC  
 CCCTGGAGCAGGGCTTCCTGCAGCGGGAGGAGGGCCCCAGCAGCTCTACTGGACAGCATCGGCAGCCACA  
 GGAAGAGGAGGAAGCTAAGCCAGAACCAGAGCGATCTGGCCTCAGTTGGAGCAACCGGGAGAAGGCAAAA  
 CAGGCTTTCAAAGAACTGCTAAGGGACAAGGCTGTCCCTTCCAATGCTTCATGGGAACAGGCCATGAAGA  
 TGGTAGTCACTGACCCCCGCTACAGTGCCTTGCCAACTAAGTGAGAAGAAGCAGGCGTTTAAATGCTTA  
 CAAGGCTCAGCGGGAGAAGGAGGAGAAAGAGGAGGCCCGCTGAGAGCCAAGGAGCCAAGCAGACCCTG  
 CAGCATTTCTGGAACAGCATGAACGCATGACCTCCACCACCCGCTACCGGCGGGCAGAACAGACTTTTG  
 GGGACCTGGAGGTCTGGGCTGTGGTCCCTGAGAGAGAGAGAAAGGAAGTTATGATGATGCTCTCTCTT  
 CCTGGCCAAGAAGGAGAAGGAACAAGCCAAGCAGCTCCGGCGTCGGAATATCCAGGCCCTGAAGAGCATC  
 CTGGATGGGATGAGCAGTGTCAACTTCCAAACCCTTGGTCCCAGGCCAGCAGTACCTCATGGATAACC  
 CCAGCTTTGCTCAGGACCAGCAGCTGCAGAACATGGACAAGGAAGATGCACTTATCTGCTTTGAGGAGCA  
 TATCCGGGCTTTGGAGAGAGAGGAGGAGGAAGAGCGAGAACGGGCCCGGCTTCGGGAGCGGCAGCAGCAG  
 CGGAAGAATCGGGAGGCCTTTCAGAGCTTCTGGACGAGCTGCATGAGACAGGGCAGCTGCACTCCATGT  
 CCACCTGGATGGAGCTGTACCCGGCAGTCAGCACTGACGTTTCGCTTGGCAACATGCTGGCCAGCCGGG  
 TAAGGCAGCCAGGCTTCCCCTTGTCTGCTGCTTTCCTACCCTGTCAGCCTCTCTGGACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208829 representing BC082994  
 Red=Cloning site Green=Tags(s)

MMPPPFMPPPGGLPPFPMPGLPPMSQRPPAIPPMPPGILPPMLPPMGAPPPLTQIPGMVPPMPPGMLMPA  
 VPVTAATAPGADTASSAVAGTGPPRALWSEHVAPDGRIYYNADDKQSVWEKPSVLKSKAELLLSQCPWK  
 EYKSDTGKPYYYNNQSQESRWTRPKDLDDLEALVKQESAGKQQTQQLQTLQPQPQPDPPPPIPPPIPP  
 VPMALLEPEPGRSEDCDVEAAQPLEQGFLLQREEGPSSSTGQHRQPQEEEEAKPEPERSGLSWSNREKAK  
 QAFKELLRDKAVPSNASWEQAMKMVVTDPYRYSALPKLSEKKQAFNAYKAQREKEEKEEARLRAKEAKQTL  
 QHFLEQHERMTSTTRYRRAEQTFGDLEWVAVPERERKEVYDDVLFLLAKKEKEQAKQLRRRNIQALKSI  
 LDGMSSVNFQTTWSQAQQYLMDNPSFAQDQQLQNMKDICALCFEEHIRALEREERERARLRERRRQ  
 RKNREAFQSFLDELHETGQLHSMSTWMELYPAVSTDVRFANMLGQPGKAARLPLVCSAFLPCQPLWT

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



<b>ACCN:</b>	BC082994
<b>ORF Size:</b>	1671 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC082994.1</a>
<b>RefSeq Size:</b>	3390 bp
<b>RefSeq ORF:</b>	1673 bp
<b>Locus ID:</b>	54614
<b>Cytogenetics:</b>	15 F1
<b>MW:</b>	124.3 kDa
<b>Gene Summary:</b>	May be involved in pre-mRNA splicing.[UniProtKB/Swiss-Prot Function]