

Product datasheet for **MR215937**

Prpf40b (NM_018786) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prpf40b (NM_018786) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prpf40b
Synonyms:	2610317D23Rik; Hycp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR215937 representing NM_018786
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGCCACCACCTTTCATGCCCCCTCCAGGGCTCCACCTCCTTTTCTCCGATGGGGCTCCCCCTA
 TGAGTCAGAGACCACCAGCCATTCCCCCATGCCACCTGGCATACTGCCCAATGCTTCCACCAATGGG
 GGCACCGCCACCACTTACACAGATACCAGGAATGGTCCCTCCAATGATGCCGGGGATGCTGATGCCAGCG
 GTGCCTGTCACTGCAGCGACGGCTCCGGGTGCGGACACCGCCAGCTCTGCTGTGGCTGGAACAGGCCCTC
 CGAGGGCCTTATGGAGTGAGCACGTAGCCCTGACGGGCGCATCTACTACTACAATGCTGATGATAAGCA
 ATCCGTGTGGGAGAAGCCAGCGTACTCAAGTCTAAGGCAGAGCTGCTGCTGTCCAGTGTCCCTGGAAA
 GAGTATAAGTCAGATACAGGAAGCCTTACTACTACAACAACCAGAGTCAGGAGTCCCGGTGGACTCGGC
 CCAAGGACCTGGATGACCTGGAAGCCCTCGTCAAACAAGAGTCTGCAGGAAAACAGCAGACCCAGCACT
 ACAGACTACAGCCACAACCACCTCAGCCACAGCTGACCTCCACCTATACCTCCGGGTCCCATCCCA
 GTGCCTATGGCCCTCCTGGAACCTGAACCAGGTGGAAGTGAAGACTGTGATGTGCTGGAGGCTGCCAGC
 CCCTGGAGCAGGGCTTCTGCAGCGGGAGGAGGGCCCCAGCAGCTCTACTGGACAGCATCGGCAGCCACA
 GGAAGAGGAGGAAGCTAAGCCAGAACCAGAGCGATCTGGCCTCAGTTGGAGCAACCGGGAGAAGGCAAAA
 CAGGCTTTCAAAGAACTGCTAAGGGACAAGGCTGTCCCTTCCAATGCTTCATGGGAACAGGCCATGAAGA
 TGGTAGTCACTGACCCCCGCTACAGTGCCTTGCCAACTAAGTGAGAAGAAGCAGGCGTTTAAATGCTTA
 CAAGGCTCAGCGGGAGAAGGAGGAGAAAGAGGAGGCCCGCTGAGAGCCAAGGAGCCAAGCAGACCCTG
 CAGCATTTCTGGAACAGCATGAACGCATGACCTCCACCACCCGCTACCGGCGGGCAGAACAGACTTTTG
 GGGACCTGGAGGTCTGGGCTGTGGTCCCTGAGAGAGAGAGAAAGGAAGTTTATGATGATGTCTCTTCTT
 CCTGGCCAAGAAGGAGAAGGAACAAGCCAAGCAGCTCCGGCGTCCGAATATCCAGGCCCTGAAGAGCATC
 CTGGATGGGATGAGCAGTGTCAACTTCCAAACCCTTGGTCCCAGGCCAGCAGTACCTCATGGATAACC
 CCAGCTTTGCTCAGGACCAGCAGCTGCAGAACATGGACAAGGAAGATGCACTTATCTGCTTTGAGGAGCA
 TATCCGGGCTTTGGAGAGAGAGGAGGAGGAAGAGCGAGAACGGGCCCGGCTTCGGGAGCGGCAGCAGCAG
 CGGAAGAATCGGGAGGCCCTTTCAGAGCTTCTGGACGAGCTGCATGAGACAGGGCAGCTGCACTCCATGT
 CCACCTGGATGGAGCTGTACCCGGCAGTCAGCACTGACGTTTCGCTTGGCAACATGCTGGCCAGCCGGG
 CTCTACTCCTTTGACTTGTCAAGTCTATGTGGAGGAGTTGAAGGCTCGATTCCACGATGAGAAGAAG
 ATCATAAAGGATATCCTTAAGGATCGGGGCTTCTGTGTGGAGGTGAACACAGCATTGAGGACTTCGCC
 ACGTCATAAGCTTTGACAAGAGGCTGCTGCGCTGGACGCAAGCAACATCAAGCTGACCTTCAATAGTCT
 GCTGGA AAAAGCAGAGGCACGGGAGAGGGAACGGGAAAAGGAGGAGGCCGAAGGATGCGGCGCAGAGAA
 GCTGCCTTTGCAAGCATGCTGAGGCAGGCCGTGCCTGCTCTGGAGCTGGGCACTGCCTGGGAAGAGGTCC
 GTGAGCGCTTTGTGTGCGACTCAGCCTTTGAGCAGATCACCTGGAGTCGGAGCGGATCCGGCTCTTCCG
 AGAGTTCTGCAGGTGTTGGAGACTGAATGCCAGCACCTCCACACCAAAGGCCGAAAGCATGGCAGAAAAG
 GGCAAGAAACACCATCGCAAGCCTTACACTCACCTCAGTGAGTCGGCAGGGCTCTGAGTCAGATGAAG
 AGGAGCTGCCCCACCATCCCTCCGGCCCCCAAGCGGAGGAGGGCAACCCCTCAGAATCTGGCTCTGA
 GCCCTCCTCCTCACTTGATTGAGTTGAAAGTGGGGTGTGCTCTTGGAGGACCAGGCTCCCCATTTCC
 CAGCTTCTTCTGGGTGAGATCATGGTCTTGGAAAACCAAGAAACCAAAAAAGAAAACCAAGAAAAGAA
 GACACAAGTCGACCAGTCTGACAGTGAGACGGACCCGAAAGACAAGCTGGTAAGGAGAGTGAAGACAG
 AGAACAGGAACAGGACAGGGAACCCCGGCAGGCAGAGCTCCCTAACCGTTCCCGAGGCTTCGGAATCAAG
 AAGGAGAAGACAGGCTGGGACACGTGAGAAAGCGAGCTGAGTGAGGGGGAGCTGGAGAGGCGAAGGCGGA
 CACTCCTACAGCAGCTGGACGACCACAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215937 representing NM_018786
 Red=Cloning site Green=Tags(s)

MMPPPFMPPGLPPFPMPGLPPMSQRPPAIPMPGGILPPMLPPMGAPPPLTQIPGMVPPMPPGMLMPA
 VPVTAATAPGADTASSAVAGTGPPRALWSEHVAPDGRIYYNADDKQSVWEKPSVLKSKAELLSQCPWK
 EYKSDTGKPYYYNNQSQESRWTRPKLDLDDLEALVKQESAGKQQTQQLQTLQPQPQPDPPIPPGPIIP
 VPMALLEPEPGRSEDCDVLEAAQPLEQGFQREEGPSSSTGQHRQPQEEEEAKPEPERSGLSWSNREKAK
 QAFKELLRDKAVPSNASWEQAMKMVVTDPYRSALPKLSEKKQAFNAYKAQREKEEKEEARLRAKEAKQTL
 QHFLEQHERMTSTTRYRRAEQTFGDLEWVAVPERERKEYDDVLFLLAKKEKEQAKQLRRRNIQALKSI
 LDGMSSVNFQTTWSQAQQYLMDNPSFAQDQQLQNMKDICALCFEEHIRALEREEEEERERARLRERRRQ
 RKNREAFQSFLDELHETGQLHSMSTMELYPVAVSTDVRFANMLGQPGSTPLDLFKFYVEELKARFHDEKK
 I IKDILKDRGFCVEVNTAFEDFAHVISFDKRAAALDAGNIKLTFNLSLEKAEAREREREKEEARRMRRE
 AAFRSMRLQAVPALELGTAWEEVRRERFVCDSAFEQITLESERIRLFREFLQVLETECQHLHTKGRKHGRK
 GKKHHRKRSHSPSVSRQSESEDEELPPPSLRPPKRRRRNPSESGSEPSSSLDSVSGGAALGGPGSPSS
 HLLLGSDHGLRKTCKPKKTKKRRHKSTSPDSETDPEDKAGKESDREQEQDREPRQAEIPNRSPGFGIK
 KEKTGWDTSESELSEGELEERRRLLQLDDHQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9095_e05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

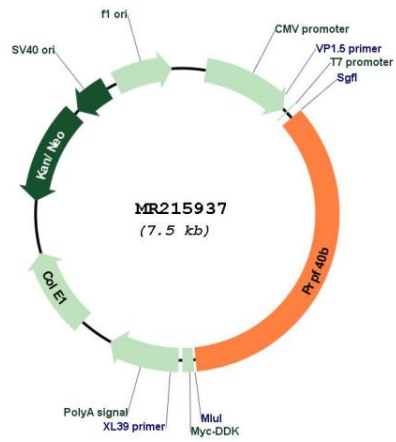
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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
MW:	99.7 kDa
Gene Summary:	May be involved in pre-mRNA splicing.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215937