

## Product datasheet for RC216302

### PRPF38A (NM\_032864) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRPF38A (NM_032864) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PRPF38A
Synonyms:	Prp38; PRP38A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216302 representing NM_032864 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTAACCGTACAGTGAAGGATGCGCACAGCATCCATGGCACCAACCCTCAATATCTGGTGGAGAAGA  
TCATTCGAACGCGAATCTATGAGTCCAAGTACTGGAAAGAGGAGTGCTTTGGACTTACAGCTGAACCTTGT  
AGTCGATAAAGCCATGGAGTTAAGGTTTGTGGGTGGCGTCTATGGTGGCAACATAAAACCAACACCCCTT  
CTGTGTTAACCTTGAAGATGCTCAAATCAACCCGAGAAGGATATCATTGTAGAGTTTATCAAAAATG  
AAGATTTCAAGTATGTCCGCATGCTGGGGGCACTTTACATGAGGCTGACAGGCACTGCAATTGATTGCTA  
CAAGTACTTGGAACTTTGTACAATGACTATCGAAAAATCAAGAGCCAGAACCGAAATGGGGAGTTTGAA  
TTGATGCATGTTGATGAGTTTATTGATGAACTATTGCACAGTGAGAGAGTCTGTGATATCATTCTGCCCC  
GACTACAGAAACGCTATGTATTAGAGGAAGCTGAGCAACTGGAGCCTCGAGTTAGTGCTCTGGAAGAGGA  
CATGGATGATGTGGAGTCCAGTGAAGAGGAAGAAGAGGAGGATGAGAAGTTGAAAGAGTGCCATCACCT  
GATCACCGCCGGAGAAGCTACCGAGACTTGGACAAGCCCCGTCGCTCTCCCACTGCGCTACAGGAGGA  
GTAGGAGCCGGTCTCCAGAAGGCGGAGTCGATCTCCAAAAGGAGAAGCCCCCTCCCTCGCCGAGAAAG  
GCATCGGAGCAAGAGTCCAAGACGTACCGCAGCAGGTCCCGAGATCGGCGGCACAGATCCCGTTCCAAG  
TCCCCAGGTCATACCGTAGTCACAGACACAGGAGCCACTCAAAGTCTCCGAAAGGTCTAAGAAGAGCC  
ACAAGAAGAGCCGGAGAGGGAATGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC216302 representing NM\_032864  
Red=Cloning site Green=Tags(s)

MANRTVKDAHSIHGTNPQYLVEKIIRTRIYESKYWKEECFGLTAEVVDKAMELRFVGGVYGGNIKPTPF  
 LCLTLKMLQIQEKDIIIVEFIKNEDFKYVRLGALYMRLTGTAIDCYKYLEPLYNDYRKIKSQNRNGEFE  
 LMHVDEFIDELLHSERVCDIILPRLQKRYVLEEAEQLEPRVSALEEDMDDVESSEEEEEDEKLERVPS  
 DHRRRSYRDLKPRRSPTLRYRRSRSPRRRSRSPKRRSPSPRRERHRKSPRRHRSRSDRRHRSRK  
 SPGHRSHRSHSKSPERSKSKSHKKSRRGNE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_032864

**ORF Size:** 936 bp

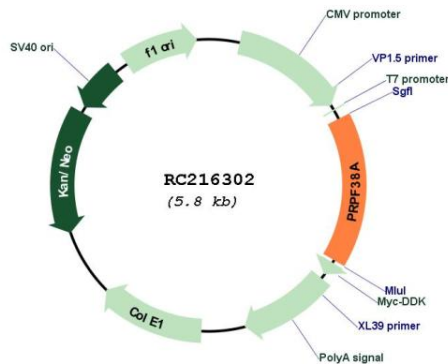
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

<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>	<u>NM_032864.4</u>
<b>RefSeq Size:</b>	2780 bp
<b>RefSeq ORF:</b>	939 bp
<b>Locus ID:</b>	84950
<b>UniProt ID:</b>	<u>Q8NAV1</u>
<b>Cytogenetics:</b>	1p32.3
<b>Domains:</b>	PRP38
<b>Protein Pathways:</b>	Spliceosome
<b>MW:</b>	37.5 kDa
<b>Gene Summary:</b>	Involved in pre-mRNA splicing as a component of the spliceosome.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC216302