

## Product datasheet for MC209238

### Prph2 (NM\_008938) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prph2 (NM_008938) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Prph2
Synonyms:	AOFMD; AVMD; Nmf193; PRPH; Rd-2; Rd2; Rds; rds; RP7; Tspan22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209238 representing NM_008938 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCTGCTCAAAGTCAAGTTTGACCAGAAGAAGCGGGTCAAGTTGGCCAGGGGCTCTGGCTTATGA  
ACTGGCTGTCGGTGTGGCCGGCATCGTCTCTCAGCTTGGGGCTGTTCTTGAAGATTGAACCTCGCAA  
GAGGAGCGAAGTGATGAATAATTCTGAGAGCCACTTTGTGCCAACTCCCTGATAGGGGTGGGGTCCCTG  
TCCTGTGTCTTCAACTCTCTGGCTGGGAAGATCTGCTATGATGCCCTGGACCCGGCCAAGTACGCCAAGT  
GGAAGCCCTGGCTGAAGCCGTACCTGGCTGTCTGCATCTCTTTAACGTCATCCTCTTCTGGTGGCTCT  
CTGCTGCTTTCTGTTGCGGGGCTCCCTGGAGAGCACCTGGCTTACGGACTCAAGAATGGGATGAAGTAT  
TATCGGGATACGGACACCCCGCCGGTCTTCATGAAAAGACCATCGACATGCTCCAGATTGAGTTCA  
AGTGTGTGGGAACAACGGCTTCCGGGACTGGTTCGAGATTCAAGTGGATCAGCAATCGCTACCTGGACTT  
CTCCTCCAAGGAGGTCAAAGATCGCATCAAGAGCAACGTGGATGGGCGGTACCTGGTGGACGGCGTCCCT  
TTCAGTGTCTGCAACCCAGCTCCCGCGGCCCTGTATCCAGTACCAGCTCACCAACAACCTCGGCGCACT  
ACAGCTATGACCATCAGACTGAGGAGCTCAACCTCTGGCTGCGGGGCTGCAGGGCCGCTCTGCTGAATTA  
CTACAGCAGCCTCATGAATTCATGGGCGTCGTCACACTTCTCGTCTGGCTCTTTGAGGTGAGCATCACT  
GCCGGACTCCGCTACCTCACACAGCGCTGGAGAGTGTCTAACC CGGAGGACCCGAGTGTGAGAGTG  
AGGGCTGGCTGCTGGAGAAGAGCGTGCCCGAGACCTGGAAGGCCTTTCTGGAGAGCTTTAAGAAGCTGGG  
CAAGAGCAATCAGGTGGAGGCTGAAGGTGCAGACGCAGGCCCGGCTCCAGAGGCTGGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_008938
<b>Insert Size:</b>	1041 bp
<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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="#">NM_008938.1</a> , <a href="#">NP_032964.1</a>
<b>RefSeq Size:</b>	2632 bp
<b>RefSeq ORF:</b>	1041 bp
<b>Locus ID:</b>	19133
<b>UniProt ID:</b>	<a href="#">P15499</a>
<b>Cytogenetics:</b>	17 22.91 cM
<b>Gene Summary:</b>	May function as an adhesion molecule involved in stabilization and compaction of outer segment disks or in the maintenance of the curvature of the rim. It is essential for disk morphogenesis.[UniProtKB/Swiss-Prot Function]