

## Product datasheet for **RN203024**

### Prph2 (NM\_013021) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Prph2 (NM\_013021) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Prph2  
**Synonyms:** Rds; RSRDS  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN203024 representing NM\_013021  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGCTGCTCAAAGTCAAGTTTGACCAGAAGAAGCGGGTCAAGTTGGCCAGGGGCTATGGCTTATGA  
ACTGGCTGTCGGTGTGGCCGGCATCGTCTCTCAGCCTGGGGCTTTCCTGAAGATTGAACTCCGCAA  
GAGGAGTGACGTGATGGATAACTCCGAGAGCCACTTTGTGCCAACTCCCTGATTGGGGTGGGGTCCTG  
TCCTGTGTCTTCAACTCTCTGGCTGGGAAGATCTGCTATGACGCCCTGGACCCTGCCAAGTACGCCAAGT  
GGAAGCCCTGGCTGAAGCTGTACCTGGCCGTCTGCGTCTCTTTAACGTCATCCTCTTCTGGTGGCGCT  
CTGCTGCTTTCTGCTGCGAGGCTCCCTGGAGAGCACCTGGCGTACGGGCTCAAGAACGGGATGAAGTAC  
TATCGGGACACGGACACGCCAGGCCGGTGTTCATGAAAAAGACCATCGACATGCTCCAGATCGAGTTCA  
AGTGCTGTGGGAACAACGGCTTCCGGGACTGGTTCGAGATTCAGTGGATCAGCAATCGCTATCTGGACTT  
TTCCTCCAAGGAGGTCAAAGACCGCATCAAGAGTAATGTGGATGGGAGGTACCTGGTGGACGGCGTCCCC  
TTCAGCTGCTGCAACCCAGCTCCCCGCGGCCGTATTTCAGTACCAGCTCACCACAACCTCTGCCACT  
ACAGCTATGACCACCAGACCGAGGAGCTAACCTCTGGCTGCGGGGTTGCAGGGCTGCCCTGCTGAATTA  
CTACAGCAGCCTCATGAACTCCATGGGCGTTGTACGCTTCTCATCTGGCTCTTTGAGGTGAGCATCACT  
GCCGGACTCCGCTTCTCCACACAGCGCTGGAGAGCGTGTCCAACCCGGAGGACCCTGAGTGTGAGAGCG  
AGGGCTGGTTGCTGGAGAATAGCGTGTCCGAGACCTGGAAGGCCCTTTCTGGAGAGCTTTAAAAAAGTGG  
CAAGAGCAATCAGGTGGAGGCTGAAGCTGCAGACGCAGGCCAGGCCCCAGAGGCTGG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_013021



[View online »](#)

<b>Insert Size:</b>	1041 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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><a href="#">NM_013021.1</a></u> , <u><a href="#">NP_037153.1</a></u>
<b>RefSeq Size:</b>	1562 bp
<b>RefSeq ORF:</b>	1041 bp
<b>Locus ID:</b>	25534
<b>UniProt ID:</b>	<u><a href="#">P17438</a></u>
<b>Cytogenetics:</b>	9q12
<b>Gene Summary:</b>	mouse homolog is required for formation of photoreceptor outer discs and is mutated in a model of retinitis pigmentosa [RGD, Feb 2006]