

## Product datasheet for RN216312

### Gpn2 (NM\_001270959) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gpn2 (NM\_001270959) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Gpn2  
**Synonyms:** Atpbd1b; RGD1311749  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >RN216312 representing NM\_001270959  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGGGGCCGCCCGACTACAGCCTTCGGGCAGGCTGTGATCGGGCCCCGGGCTCAGGGAAACTA  
 CGTACTGCCTGGGCATGAGTGAGTTCCTGCGCGCGCTGGGGCGGCGCTGGCGGTGGTGAACCTGGACCC  
 AGCTAACGAAGGACTGCCTTATGAATGTGCCGTGGACGTGGGCGAGCTGGTGGTCTGGGCGACGTAATG  
 GACGCGCTGCGCCTTGGGCCAACGGTGGCCTGCTCTACTGCATGGAGTACCTGGAAGCTAACCTAGACT  
 GGCTGCGCGCGAAGCTGGAGCCCTGCGAGGCCACTACTTCTCTCGACTGCCCGGACAAGTGGAGCT  
 CTGCACGCACCACCTCCCTACGCAGCATCTTCTCCAGATGGCTCAGTGGGACCTGAGGTTGACTGCT  
 GTTCACCTTGTGGATTCTCACTACTGTACAGACCCAGCCAAGTTCATCTCAGTACTGTGTACCTCCCTGG  
 CCACCATGCTGCATGTGGAAGTGGCCATGTCAACCTCCTCTCCAAGATGGACCTTATTGAACACTATGG  
 GAAGCTGGCCTTCAACCTGGACTACTACACTGAAGTCCTGGACCTCTCCTACCTGCTTGACCACCTGGCA  
 TCCGACCTTTCTTCACTACTACCGACAGCTCAATGAGAAGCTAGTGCAGCTCATCGAGGACTACAGCC  
 TGGTCTCCTTCACTCCACTGAACATCCAGGACAAGGACAGCATCCAGCGAGTCTTACAGGCTGTGGATAA  
 AGCCAATGGCTACTGCTTTGGGGTTCAAGAGCAGCGGAGTCTGGAAGCCCTGATGCTGCAGCAGTGGGA  
 GCTGACTTCCATTTCTCCTCCACCCTGGCATCCAGGAAAAGTACTTAGCATCTCGGACCAGACCGCAG  
 AGCAGGAAGCCATGCAGCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001270959



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<b>Insert Size:</b>	933 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001270959.1</a></u> , <u><a href="#">NP_001257888.1</a></u>
<b>RefSeq Size:</b>	1262 bp
<b>RefSeq ORF:</b>	933 bp
<b>Locus ID:</b>	362614
<b>UniProt ID:</b>	<u><a href="#">D4A7C0</a></u>
<b>Cytogenetics:</b>	5q36
<b>Gene Summary:</b>	Small GTPase required for proper localization of RNA polymerase II and III (RNAPII and RNAPIII). May act at an RNAP assembly step prior to nuclear import.[UniProtKB/Swiss-Prot Function]