

## Product datasheet for **RN213663**

### Gphn (NM\_022865) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gphn (NM_022865) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gphn
Synonyms:	Geph
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213663 representing NM\_022865  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGACCGAGGAATGATCCTCACAAACCACGACCATCAAATCCGTGTCGGAGTCTCACAGTGAGTG  
 ATAGCTGCTTCAGGAATCTTGCAGAAGACCGCAGTGGGATAAATCTAAAAGATCTCGTCCAGGATCCTTC  
 TTTGTTGGGTGGGACTATATCAGCATACAAGATAGTACCAGATGAAATAGAAGAAATCAAGGAAACACTC  
 ATAGACTGGTGTGATGAGAAGGAACTTAATTTGATATTAACAACCTGGCGGAACAGGGTTTGCACCACGAG  
 ATGTCACTCCAGAGGCCACAAAAGAAGTAATAGAACGGGAAGCGCCAGGGATGGCCCTGGCAATGCTGAT  
 GGGATCACTTAATGTTACACCTCTGGGCATGCTCTCTAGACCAGTGTGTGAATAAGAGGGAAAACCTCTG  
 ATAATTAACCTGCCTGGTAGCAAGAAAGGATCTCAGGAATGCTTTCAGTTCATACTGCCAGCTCTACCTC  
 ATGCCATTGACCTTTTACGTGATGCCATTGTAAAAGTAAAGGAGGTGCATGATGAACTTGAAGATTTACC  
 TTCCCCACCACCTCCTTTCTCCACCTCTACAACCTAGCCACATAAGCAGACAGAAGACAAAAGGAGTT  
 CAGTGTGAAGAGGAGGAAGAAGAAAAGAACAGTGGTGTAGCTTCGACAGAAGATAGTTCCTCATCAC  
 ATATTACTGCAGCAGCTCTTGTGCAAAGATTCAGACTCCATCATTTTCTCGTGGCGTTCAGGTGCTCCC  
 ACGAGACACAGCCTCCCTTAGCACTACTCCTTCAGAGTCGCCCGTGGCCAGGCTACATCTCGCCTCTCT  
 ACAGCTTCTTGTCCAACCAAAAAGTCCAGTCCAGGTGCAGCAGCAAGGAGAACATTCTAAGAGCCAGTC  
 ACAGTGTGTAGATATCACCAAGGTGGCTAGAAGACATCGCATGTCTCCTTTTCTCTGACGTCTATGGA  
 CAAAGCCTTATTACAGTCTGGAGATGACTCCGGTGTGGTACAGAAATCATCAATTACCGAGATGGA  
 ATGGGGCGAGTCTTGTCAAGATGTGTATGCAAAGACAACCTACCCCATCCAGCATCAGTAAAAG  
 ATGGCTATGCTGTTCGAGCTGTGATGGTCCAGGAGATCGTTTCATCATTGGGGAATCCCAAGCTGGTGA  
 ACAGCCAACTCAGACAGTAATGCCCGGACAAGTATGCGGGTTACAACAGGTGCTCAATCCCTCGCGT  
 GCTGATGCAGTAGTGCAAGTTGAAGATACTGAACTCATCAGGAATCAGATGATGGTACTGAAGAACTTG  
 AAGTGCGAATTCTGGTGAAGCTCGGCCAGGCCAAGACATCAGACCCATCGGCCACGACATTAAGAGAGG  
 GGAGTGTGTTTTGGCAAAGGAACCCATATGGGCCCTTCAGAAATGGTCTCCTTGAACCTGTAGGTGTC  
 ACAGAAGTTGAAGTTAATAAGTTTCCAGTGGTTGCCGTTATGTCAACAGGGAATGAGCTACTAAATCCTG  
 AAGATGACCTCTACCAGGAAAGATTCCGGACAGCAATCGATCAACACTTCTAGCAACAATTCAGGAACA  
 TGGTTACCAACAATCAACTTGGGAATTGTAGGAGACAACCCAGATGACTTACTCAATGCCTTGAATGAG  
 GGTATCAGCCGTGCTGATGTCATCATCAGTCCAGGAGGTATCCATGGGGGAAAAGGACTATCTCAAGC  
 AGGTGCTGGACATCGATCTTCATGCTCAGATCCATTTTGGCAGGGTTTTTATGAAGCCAGGCTTGCCAAC  
 AACATTTGCAACTTTGGATATTGATGGTGAAGAAAAATTATTTTGCACCTACCAGGGAATCCTGTATCA  
 GCTGTGGTCACCTGCAACCTCTTTGTTGTACCCGCACTGAGAAAAATGCAGGGTATCTTGGATCCTCGGC  
 CAACCATCATCAAAGCTAGGTTATCATGTGACGTAAAGCTGGACCCTCGCCAGAATACCACCGGTGAT  
 ACTGACTTGGCATCACCAAGAACCCTGCCCTGGGCCAGAGTACAGGTAATCAGATGAGCAGCCGTCTG  
 ATGAGCATGCGCAGTGCCAATGGATTGCTGATGCTACCTCCAAGACAGAGCAGTATGTGGAACCTCACA  
 AAGCGAGGTGGTGGACGTCATGGTTCATCGGACGGCTA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_022865  
**Insert Size:** 2211 bp

**OTI Disclaimer:** 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_022865.3</a></u> , <u><a href="#">NP_074056.2</a></u>
<b>RefSeq Size:</b>	3220 bp
<b>RefSeq ORF:</b>	2211 bp
<b>Locus ID:</b>	64845
<b>UniProt ID:</b>	<u><a href="#">Q03555</a></u>
<b>Cytogenetics:</b>	6q24
<b>Gene Summary:</b>	plays a role in molybdenum cofactor biosynthesis; may play a role in membrane protein-cytoskeleton interactions [RGD, Feb 2006]