

Product datasheet for **MC221536**

Gphn (NM_145965) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gphn (NM_145965) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gphn
Synonyms:	5730552E08Rik; AI662856; BC027112; C230040D23; geph; GPH; GPHRYN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221536 representing NM_145965
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGACCGAGGAATGATCCTCACCAACCACGACCATCAAATCCGTGTCGGAGTCTCACAGTGAGTG
 ATAGCTGCTTCAGGAATCTTGCAGAAGACCGCAGTGGGATAAATCTAAAAGATCTTGTCCAAGATCCTTC
 TTTGTTGGGTGGGACTATATCGGCATACAAGATAGTACCAGATGAAATAGAAGAAATCAAGGAAACTC
 ATAGACTGGTGTGATGAAAAGGAACCTAATTTAATATTAACAACCTGGAGGAACGGGGTTGCACCACGAG
 ATGTCACCTCCAGAGGCCACAAAAGAAGTAATAGAGCGGGAAGCGCCAGGGATGGCCCTGGCAATGCTGAT
 GGGATCGCTCAATGTACACCTCTGGGCATGCTCTCTAGACCAGTGTGTGAATAAGGGGAAAACCTCTG
 ATAATTAACCTACCTGGTAGCAAGAAAGGATCTCAGGAATGCTTTCAGTTCATACTGCCAGCTCTACCTC
 ATGCCATTGACCTTTTACGTGATGCCATTGTAAAAGTAAAGGAGGTGCATGATGAACTTGAAGATTTACC
 TTCCCCACCACCTCTCTCTCCACCTCTACAACCTAGCCACATAAACAGACAGAAGACAAAAGGAGTT
 CAGTGTGAAGAAGAGGAAGAAGAAAAGAACAGCAGTGGTGTAGCTTCAACAGAAGATAGTTCCTCATCAC
 ATATAACTGCAGCAGCTCTTGTGCAAAGAAGCATCCATTCTACACCAGTCTGTCTTTTCATGGCAAA
 TCATGGGCAGCCCATCCCTGGTCTCATCAGTTATTTCCCATCATGCAACAGGCAGTGCAGATAAACGGATT
 CCAGACTCCATCATTTCTCGTGGTGTTCAGGTGCTCCCACGAGACACAGCCTCCCTTAGCACTACTCCTT
 CAGAATCGCCCCGTGCTCAGGCTACATCTCGCCTCTCTACAGTCTTGTCCAACACAAAAGTCCAGTC
 CAGGTGCAGCAGCAAGGAGAACATTCTAAGAGCCAGTACAGTGTGTAGATACCAAGGTGGCTAGA
 AGACATCGCATGTCTCCTTTTCCCCTGACGTCTATGGACAAAAGCCTTATTACAGTCTGGAGATGACTC
 CGGTGCTTGGTACAGAAATCATCAATTACCGAGATGGAATGGGGCGAGTCTTGTCAAGATGTATATGC
 AAAAGACAACCTACCCCCATTCCCTGCATCAGTAAAAGATGGCTATGCTGTTTCGAGCTGCTGATGGTCCA
 GGGGATCGTTTCATCATTGGGGAATCCCAAGCTGGTGTGAGCAGCAACTCAGACAGTAATGCCAGGACAAG
 TGATGCGGGTTACAACAGGTGCTCAATCCCCTGCGGTGCTGATGCAGTAGTGAAGTTGAAGATACTGA
 ACTCATCAGGGAATCAGATGATGGTACTGAAGAACTTGAAGTACGAATTCGGTGAAGCTCGGCCAGGC
 CAAGATATCCGACCCATCGGCCATGACATTAAGAGAGGGGAGTGTGTTTTGGCCAAAGGAACCCATATGG
 GCCCTTACAGAGATTGGTCTCCTTGAACCTGTGGGTGTACAGAAGTGAAGTTAATAAGTTTCCAGTGGT
 TGCCGTTATGTCAACAGGGAATGAGCTGCTAAATCCTGAAGATGATCTTACCAGGAAAGATTCGGGAC
 AGCAATCGATCAACACTTCTAGCAACAATTCAGGAACATGGTTACCAACAATCAACCTGGGAATTGTAG
 GAGACAACCCAGATGACTTACTCAATGCCTTGAATGAGGGTATCAGCCGTGCTGATGTCATCATCAGCTC
 AGGAGGTGTGCCATGGGGGAAAAGGACTATCTCAAGCAGGTGCTGGACATTGATCTTATGCTCAGATC
 CATTTTGGCAGAGTTTTTATGAAGCCAGGCTTGCCAACAACATTTGCAACTTTGGATATTGATGGTGAA
 GAAAAATTATTTTGCCTACCAGGGAATCCTGTATCAGCTGTGGTCACTGCAACCTCTTTGTTGTACC
 TGCACTGAGAAAGATGCAGGGTATCTTGGATCCTCGGCCAACCATCATCAAAGCCAGGTTATCGTGTGAT
 GTAAAACCTGGACCCTCGCCAGAATACCACCGGTGATACTGACTTGGCATCACAAGAACCCTGCCCT
 GGGCCAGAGTACAGGTAATCAGATGAGCAGCCGTCTGATGAGCATGCGCAGTGCCAATGGATTATTGAT
 GCTACCTCAAAGACAGAGCAGTACGTGGAACCTCACAAAGGCGAGGTGGTAGATGTCATGGTCATTGGA
 CGGCTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_145965
Insert Size: 2319 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).
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	NM_145965.2 , NP_666077.2
RefSeq Size:	3316 bp
RefSeq ORF:	2319 bp
Locus ID:	268566
Cytogenetics:	12 C3
Gene Summary:	<p>Microtubule-associated protein involved in membrane protein-cytoskeleton interactions. It is thought to anchor the inhibitory glycine receptor (GLYR) to subsynaptic microtubules. Catalyzes two steps in the biosynthesis of the molybdenum cofactor. In the first step, molybdopterin is adenylated. Subsequently, molybdate is inserted into adenylated molybdopterin and AMP is released.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>