

Product datasheet for **MC202461**

Gpc2 (NM_172412) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpc2 (NM_172412) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gpc2
Synonyms:	2410016G05Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC083180 sequence for NM_172412
 AGTTTTAGGGGACACGCTCTATTCTTTCTTCGAGACGTCCCAGCGCCGAGAACGGGGTCTAGAGTTC
 CGCGGACTCTTCTTTCTCCTTAGGACCACTTTGCCCGTCCCAGGGAGGAGACACCTATGTCTGCGC
 TGCGACCTCTCCTGCTTTTGTCTCCATCTGTGTCCGGTCTAGGGCCGGGACATGGGAGTGAGGCAAA
 GGTTCGTCGGAGTTGTGCAGAGACTCGGCAGGTGCTGGGGCCCGGGATATAGCTTAAACCTAATCCCT
 CCCTCCCTCATCTCAGGTGAGCACCTTCAAGTCTGTCTCAGGAGTACACCTGCTGTTCCAGTGAGACAG
 AGCAGAAGTTGATCAGGGATGCTGAAGTCACATTCGTCGCCTGGTAGAGGACAGTGGCTTTCCCTGAT
 TCACACACTGGCTGCCCGCATAGAAAGTTAATGAGTTTTTTCGGGAGATGCTGTCTATATCCCGCAT
 TCTTTGGCTCAGCTCTTCTCGCATTCTATGGTCGCCTGTATTCCAGCACGCCGTCATCTTCAATAGCC
 TGTTTTCCGGCCTGCGGGACTACTATGAGAAGTCTGGCGAGGGTTAGATGACACCTTGCGGATTTCTG
 GGCACAGCTCCTGGAGAGAGCCTTCCCTTTGCTGCACCCACAATACAGTTTCCCTCCTGACTTCTGCTC
 TGTCTTACTCGGCTTACTTCAACTGCTGATGGCTCTCTGCAGCCCTTCGGAGACTCACCCCGCCGCTCC
 GCCTACAGATATCCAGGGCACTGGTGGCAGCCCGGCCTTGGTCCAGGGTCTGGAGACTGGAAGAAATGT
 GGTGAGCGAAGCACTTAAGGTACAGTGTGGAAGGCTGCAGACAGGCCCTGATGCGTCTGATTGGCTGC
 CCTCTTTGTGCGGGAGTTCCTTCACTTATGCCCTGCCGGGGCTTCTGCCTCAATGTAGCCATGGCTGCC
 TCAGCAGTAGGGGACTGGAGCCTGAATGGGGCGGATATCTGGATGGTCTCCTGCTGCTGGCTGAGAACT
 CCAAGGACCCCTTTCTTTGAACTGGCTGCTGAGTCCATTGGGGTGAAGATCTCAGAAGGTTTATGTCAC
 TTACAGGAAAACAGTGTAAGGTGTGAGCGAAGGTGTTTCAGGAATGTGGGACCCCCATCCCGTGCAGT
 CCCGCAGCCGGCAGCACCAGCACCCCGAGAAGAGGCTAGCCGGTCTGGAGGGCTTCAGCGGAGGAAGA
 ACGGCCACAACAGCGGCAGGCACTAATCTGCACCGCTTGGTTTGGGAGCTCCGGGAGAGACTTAGCCGA
 GTACGGGGCTTCTGGGCTGGACTGCCTGTAAACCGTATGTGGGACTCCCGCATGGCGGCAGATCTCTCAC
 AGGAGACGGCACCTGCTGGACTGGAGTTGGGAGAGCCGGTATATGTCGCCTGTGGTCTGGGCTCCTT
 GAATGAGCAGCTCCACAACCCGGAGTTGGATACTTCGAGTCCCGATGTCGCCGAGCGGAGCGGAGGCTA
 CATCTCCGAGCAGCTACTGCTCGAATGAAGGCGGCTGCGCTGGGTGAGGATCTTGACATGCATGATGCGG
 ATGAAGATGCCAGTGGCTCTGGAGGGGACAGCAGTATGCAGACGACTGGAAGCTGGGGCAGTGCCTGT
 GGTTCGCCAGCCAGGCCTCCAAGGCCACTCGTCTCCTCGAAGGGACGGTCTTGGAGTGAGAGGAGGA
 AGTGGCAGTGCCAGATACAACCAGGGCCGAAGCAGGAATCTGGGGTCTGTTGGCCTCCATACCCAC
 TTGTCTCCTCCTCCTCCCTCAGCCCTGACCCTGCTTGTACTTCGATAACGAGGGAGGGGCGCCCTAGC
 ATCAAAAGGCTTAGTGGCTCTTTTCTTCCACCTCCCTCAGCCAGGCATGAGGAGGAGTGAAGGGGGCT
 ACAGAGAGGGCAGAAAGGACTTTGTGGGTGAATGGCTGGGGCCCAAATCCAGGAGTTTCAATTAATG
 GGGTGGGAGGTAGATGGGTTTCATAATATTTATTTTTCATTTGGGAAGTGGGATATTTATTTAGGAAG
 GATGGTTCAGCTCTTTAAATCTTTGGGCTCACTGATGGGTGGGGGTGGGACCGGGTTGAAGGAAC
 TTGAAAGTGGGGAGGAATGGTACTATTGGCATGGGGTACCTGGTATTGAAAATGGACACATAAACTAGC
 TGAGAGTGATGCTACTTGCCTGTAACCCATTATTCTTTGGGATGCTGAGGCAGGAGGATTGAGAGTTAG
 GGACTAATAAAGCTAGGTGCTGACAGTAGAACAGGAAGGAGGGTGAACCTGAGTTTTGTTGCCTTTTT
 AAAATCATCTGCTTCTTAAGTATGGGGCGGGGGAGGGACCCATCTAGCGACCTTTGCCATCCACATCCA
 TCACAACTTCCACTTCAATTTCAAGTGTTCATATCAGTGTCTATTGGTAAATAAAGAATTTATTGGAAA
 AAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Ascl-NotI
- ACCN:** NM_172412
- Insert Size:** 1740 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:

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: [BC083180](#), [AAH83180](#)

RefSeq Size: 2542 bp

RefSeq ORF: 1740 bp

Locus ID: 71951

UniProt ID: [Q8BKV1](#)

Cytogenetics: 5 G2

Gene Summary: Cell surface proteoglycan that bears heparan sulfate. May fulfill a function related to the motile behaviors of developing neurons (By similarity).[UniProtKB/Swiss-Prot Function]