

Product datasheet for **RN206365**

Gpc2 (NM_138511) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpc2 (NM_138511) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gpc2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN206365 representing NM_138511
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGCGGTGCGACCTCTCCTGCTTTTGTGCTCCCTCTGTGTCCCGTCCAGGACCGGGACATGGGA
 GTGAAGCAAAGGTCGTCCGGAGTTGTGCAGAGACTCGGCAGGTGCTGGGGGCCCGGGATATAGCTTAAA
 CCTTATCCCTCCCTCCCTCATCTCAGGTGAGCACCTTCAGATCTGTCTCAGGAGTACACCTGCTGTTCC
 AGTGAGACAGAGCAGAAGTTGATCCGGGATGCTGAGGTCACTTCCGTGGCCTGGTGAAGACAGTGGCT
 CCTTCTGATTACACGCTGGCTGCCGCCACAGAAAGTTTAACGAGTTTTTTCGGGAGATGCTGTCTAT
 ATCCCAGATTCTTTGGCCAGCTCTTCTCGATTCTATGGTCGCTGTATTCCAGCATGCCGTCATC
 TTCAATAGCCTGTTCTCCGGCTGCGGGACTACTATGAGAAGTCTGGTGAAGGGTTAGATGACACCTTGG
 CAGACTTCTGGGCCAGCTCCTGGAGAGAGCCTTCCCTTTGCTGCACCCACAATACAGTTTCCCTCTGA
 TTTCTGCTCTGCCTTACTCGGCTCACTTCAACTGCTGATGGCTCTCTCCAGCCCTTCGGGACTCGCC
 CGCCGCTCCGCTACAGATAACCCGGGCACTGGTGGCAGCCCGGCCTTGGTCCAGGGTCTGGAGACCG
 GAAGAAATGTGGTCAGCGAAGCACTTAAGGTACCATGTTGAAGGCTGCAGACAGGCCCTCATGCTCT
 GATCGGCTGCCACTTTGTGGGGAGTACCCTCGCTTATGCCCTGCCGGGCTTCTGCCTCAATGTGGCC
 CACGGCTGTCTCAGCAGCAGGGGATTGGAGCCTGAATGGGGCGGATATCTGGATGGTCTCCTGCTGCTGG
 CTGAGAAACTCCAGGGACCCTTTTCTTCGAGCTGGCTGCTGAGTCCATAGGGGTGAAGATCTCAGAAGG
 TTTGATGCACTTGCAAGAAAACAGTGTAAGGTGTCAGCCAAGGTGTTTCAGGAATGTGGGACGCCTCAC
 CCGGTGCAATCCCGTAACCGGCGAGCACCAGCACCCTGGGAAGAGACTAGCCGGTCTTGGAGTCTGCAG
 CTGAGGAAGAAGCCCAACAAGCGGCGAGGCACTAATCTGCACCGTCTGGTTTGGGAGCTCCGAGAGAG
 GCTTAGCCGAGTGCGGGGCTTCTGGGCTGGACTTCCCGTTACGGTGTGTGGGGACTCCCGCATGGCGGCA
 GATCTCTCCAGGAGGCGCACCTGCTGGACTGGGTTGGGAGAGGCCGTATATGTCGCTGTGGTCTG
 TGGGCTCCTTGAACGAGCAGCTCCATAACCCGGAGTTGGATACTTCGAGTCCCGATGTCCCGACAGCTCG
 GCGGAGGCTCCATCTCCGAGCAGCTACTGCTCGAATGAAGGCGGCTGCGTGGGCCAGGACCTTGACATG
 CATGATGCGGATGAAGACGCCAGTGGCTCCGAGGGGGACAGCAGTACGACAGCAGTGGAAAGCTGGGG
 CAGCGCTGTGGTTCCCCAGCCAGGCTCCAAGGCCACCTCGTCTCTCGAAGGGATGGTCTTGGAGT
 GAGAGGAGGAAGTGGCAGTGCCAGATAACAACAGGGCCGAAGCAGGAATCTGGGGTCTCTGTTGCCTC
 CATGCCACAGTGTCTTATTCTCTCCCTCAGCCCTGACCCTGCTTGGACTTCGAT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_138511

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:	<u>NM_138511.1, NP_612520.1</u>
RefSeq Size:	2607 bp
RefSeq ORF:	1740 bp
Locus ID:	171517
UniProt ID:	<u>P51653</u>
Cytogenetics:	12q11
Gene Summary:	heparan sulfate proteoglycan; may play a role with neural development [RGD, Feb 2006]