

Product datasheet for **MC219063**

Gpc6 (NM_001079844) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpc6 (NM_001079844) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gpc6
Synonyms:	6720429C22Rik; AI480529
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219063 representing NM_001079844
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCTTCTTGGATCCGGCTGTGATTCTCTCTCCGGGCTGCTGCTGACCCTCCCGCCGCGGCGG
ACGTGAAGGCTCGGAGCTGCAGCGAGGTCCTCAGGCTTACGGTGCCAAGGGATTAGCCTGGCGGACAT
CCCCTACCAGGAGATCGCAGGGGAGCACTTACGCATCTGCCCTCAGGAATATACCTGCTGCACCACAGAA
ATGGAAGACAAGCTGAGTCAACAGAGTAACTGGAGTTTGAAAACCTTGTAGAAGAGACAAGCCACTTTG
TGAGGACCACGTTTGTGTCGAGGCACAAGAAATTTGATGAGTTTTCCGAGAGCTGCTGGAAAACGCAGA
AAAGTCCCTAAATGACATGTTTGTCCGGACCTACGGGATGCTGTACATGCAGAATTCAGAGGTATCCAG
GACCTCTTCACTGAGCTAAAGCGGTACTACACAGGGGTAAACGTCAACCTGGAAGAGATGCTCAATGACT
TCTGGGCTCGGCTCCTGGAGAGGATGTTCCAGCTGATTAACCCTCAGTATCACTTCAGCGAGGACTACCT
GGAGTGTGTAAGCAAGTACACAGACCAGCTGAAGCCATTTGGAGACGTGCCACGGAACTGAAGATTCAG
GTACCCGCGCCTTCATCGCGGCTCGCACCTTTGTCCAGGGCCTGACAGTGGGCAGAGAGGTTGCCAAC
GAGTTTCCAAGGTGAGCCCCACCCCTGGCTGCATCCGGGCTCTCATGAAGATGCTGTACTGCCCATACTG
CCGAGGCTTGCCCACTGTGAGACCTTGCAACAATACTGCCTCAACGTGATGAAGGGCTGCCTGGCCAAT
CAGGCAGATTTGGACACTGAGTGAATCTTTCATAGATGCAATGCTCTTGGTGGCTGAGCGACTGGAAG
GGCCATTAACATTGAGTCAGTCATGGACCAATAGACGTCAAGATCTCTGAAGCCATTATGAACATGCA
GGAAAACAGCATGCAGGTGTCAGCAAAGGCTTTTACAGGCTGTGGCCAGCCAAACCTGCTCCCGCTCTC
AGATCTGCTCGCTCAGCTCCAGAAAATTTAACACCCGTTTTTCGGCCCTACAACCCTGAGGAAAGACCCA
CAACTGCAGCGGGCACGAGCTTGGACCGGCTGAGGACTGTGTGGAGGACCATGCAGCACAGTGTACAGA
CATAAAAGAGAAGCTGAAGCTCTCTAAAAGGCTGTGGTCAAGATTGCCCTACACCATCTGCAAGGACGAA
CGTGTGACAGCAGGAACCTCCAACGAGGAGGAGTGTGGAACGGACACAGCAAAGCCAGATACCTGCCTG
AGATCATGAACGATGGGCTGACCAACCAATCAACAATCTGAGGTGGAGGTGGACATCACGCGGCCAGA
CACTTTCATCAGACAGCAGATCATGGCTCTCCGTGTGATGACCAACAACTGAAGAATGCGTACAATGGC
AATGACGTCAACTTCCAAGACACAAGCGATGAATCCAGTGGCTCAGGCAGCGGCAGTGGTTGCATGGATG
ATGTGTGCCACGGAGTTCGAGTTTGTACCACCGAGGCCCGCGGTGGACCCGGACCGCAGAGAAGA
GGAACTCTCGGCCTGAAGTTCAGCTCCTCTGATTTCTGGTCTCTGGTCTGCATGGTCTTGGCCCTG
CAGAGACTCTACAGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001079844

Insert Size: 1698 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: [NM_001079844.2](#), [NP_001073313.1](#)

RefSeq Size: 6780 bp

RefSeq ORF: 1698 bp

Locus ID: 23888

Cytogenetics: 14 E4

Gene Summary: Cell surface proteoglycan that bears heparan sulfate. Putative cell surface coreceptor for growth factors, extracellular matrix proteins, proteases and anti-proteases. Enhances migration and invasion of cancer cells through WNT5A signaling (By similarity).
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.