

Product datasheet for **MC218967**

Gpc6 (NM_011821) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpc6 (NM_011821) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gpc6
Synonyms:	6720429C22Rik; AI480529
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC218967 representing NM_011821
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCCTTCTTGGATCCGGCTGTGATTCTTCTCTCTCCGGCTGCTGCTGACCTCCCGGCCGCGCGG
 ACGTGAAGGCTCGGAGCTGCAGCGAGGTCGTCAGGCTTACGGTGCCAAGGGATTACGCTGGCGGACAT
 CCCCTACCAGGAGATCGCAGGGGAGCACTTACGCATCTGCCCTCAGGAATATACCTGCTGCACCACAGAA
 ATGGAAGACAAGCTGAGTCAACAGAGTAACTGGAGTTTGAAAACCTTGTAGAAGAGACAAGCCACTTTG
 TGAGGACCACGTTTGTGTCGAGGCACAAGAAATTTGATGAGTTTTCCGAGAGCTGCTGGAACCGCAGA
 AAAGTCCCTAAATGACATGTTTGTCCGGACCTACGGGATGCTGTACATGCAGAATTCAGAGGTATTCAG
 GACCTCTTCACTGAGCTAAAGCGGTACTACACAGGGGTAACGTCAACCTGGAAGAGATGCTCAATGACT
 TCTGGGCTCGGCTCCTGGAGAGGATGTTCCAGCTGATTAACCCTCAGTATCACTTCAGCGAGGACTACCT
 GGAGTGTGTAAGCAAGTACACAGACCAGCTGAAGCCATTTGGAGACGTGCCACGGAACCTGAAGATTCAG
 GTCACCCGCGCCTTCATCGCGGCTCGCACCTTTGTCCAGGGCCTGACAGTGGGCAGAGAGGTTGCCAAC
 GAGTTTCAAGGTGAGCCCCACCCCTGGCTGCATCCGGGCTCTCATGAAGATGCTGTACTGCCCATACTG
 CCGAGGCTTGCCCACTGTGAGACCTTGCAACAATACTGCCTCAACGTCAATGAAGGGCTGCCTGGCCAAT
 CAGGCAGATTTGGACACTGAGTGAATCTTTCATAGATGCAATGCTCTTGGTGGCTGAGCGACTGGAAG
 GGCCATTCAACATTGAGTCAGTCATGGACCAATAGACGTCAAGATCTCTGAAGCCATTATGAACATGCA
 GGAACACAGCATGCAGGTGTCAGCAAAGGTCTTTCAGGGCTGTGGCCAGCCCAACCTGCTCCGCTCTC
 AGATCTGCTCGCTCAGCTCCAGAAAATTTAACACCCGTTTTCGGCCCTACAACCTGAGGAAAGACCCA
 CAACTGCAGCGGGCAGGAGCTTGGACCGGCTGGTCACAGACATAAAGAGAAGCTGAAGCTCTCTAAAAA
 GGTCTGGTCAGCATTGCCCTACACCATCTGCAAGGACGAACGTGTGACAGCAGGAACCTCCAACGAGGAG
 GAGTGTGGAACGGACACAGCAAAGCCAGATACCTGCCTGAGATCATGAACGATGGGCTGACCAACCAAA
 TCAACAATCCTGAGGTGGAGGTGGACATCACGCGGCCAGACACTTTCATCAGACAGCAGATCATGGCTCT
 CCGTGTGATGACCAACAACTGAAGAATGCGTACAATGGCAATGACGTCAACTTCCAAGACACAAGCGAT
 GAATCCAGTGGCTCAGGCAGCGGAGTGGTGCATGGATGATGTGTGCCACGGAGTTCGAGTTTGTCA
 CCACCGAGGCCCGCGGTGGACCCGACCGCAGAGAAGAGGAATCTTCGGCCTCGAAGTTCAGCTCCTC
 CTTGATTTCTGGTCTCTGGTCTGCATGGTCTTGGCCCTGCAGAGACTCTACAGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_011821

Insert Size: 1668 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_011821.3, NP_035951.1</u>
RefSeq Size:	6750 bp
RefSeq ORF:	1668 bp
Locus ID:	23888
UniProt ID:	<u>Q9R087</u>
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 (2) lacks an in-frame exon in the central coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to 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.