

Product datasheet for **SC324198**

Glypican 5 (GPC5) (NM_004466) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glypican 5 (GPC5) (NM_004466) Human Untagged Clone
Tag:	Tag Free
Symbol:	Glypican 5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_004466.3
CTGCTGCGAGCCGAGCCGGGCGGCGGCGCAGTGGCGGCAGTGGCGGCAGCGGCAGCAGT
TGCAGCAGTGGTGGCCAGAGCGGATGCTTGCGGGCTCCCTGCGGCTCCACTAGTTTTCTT
CGCCCCGCCAGCCGCCACTCTTCTCGGCTAGGGAAGAAGACCAGAGGGTGCTCAGCTG
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AGCCGGTGCCCGGGCGGTCCGTACACCCCGCAGCCGGCTCGCACCGCTCGAGAGCCTC
GGCCGCTGTGTCTTCCACGTCTGCAGCTCAGCCAGGGCGCGCAGGGCGAGTGGGGTCCAC
TGGCGGGTAAAGGGACCAGGACGGCGAGGATGGACGCACAGACCTGGCCCGTGGGCTTT
CGCTGCCTCCTCTTCTGGCCCTGGTTGGGTCCGCCCGCAGCGAGGGCGTGCAGACCTGC
GAAGAAGTTCGGAACTTTTCCAGTGGCGGCTGCTGGGAGCTGTGAGGGGCTGCCGGAT
TCGCCGCGGGCAGGACCTGATCTTCAGGTTTGCATATCCAAAAAGCCTACATGTTGCACC
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ACGTCCAGCTCTACATTAAGTTTCTAATATCTCGAAATGCGGCTGCTTTTCAAGAAACC
CTTGAAACTCTCATCAACAAGCAGAAAATTACACCAAGTATACTTTTTTGCAGTACCTAC
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CTGGGCATTGAAGTCAACAACCCACAGACTATCTGCACCTTCCCAAAGAGTGCAGCAGA
GCCCTCCTGAAGTGAATACTGCCCGCACTGCCAAGGCTGGCGCTACTAAGCCTTGT
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CACCTCAATGGACAAAAATTATTGGAACAGGTAATAGGATTTGTGGCCGCCCTGTAAGA
ACACCCACACAAAGCCCCGTTGTTCTTTTGTAGAGCAAAGAGAAGCATGGAATGAAG
ACCACCACAAGGAACAGTGAAGAGACGCTTGCCAAACAGAAGAAAAGAAATTTATCAACAGC
CTTCGACTGTACAGGTCATTCTATGGAGGCTAGCTGATCAGCTTTGTGCTAATGAATTA
GCTGCTGCAGATGGACTCCCTGCTGGAATGGAGAAGATATAGTAAAAAGTTATACTCAG
CGTGTGGTTGAAATGGAATCAAAGCCCAGTCTGGAAATCCTGAAGTCAAAGTCAAAGGA
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GGTAGATACCCAAACCTGACAAGTGGGAACTTCTCAGCTGGGCAAGTGGTGGAGGCATG
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GAAGTCAAGAGGACACTGAAGATCACAGACTGGATGCCAGATGATATGAACCTCAGTGT
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GCAGTGGCGACTGAATCTATGACATTCCTGATAAAGTGTGGTGTGTTACTTCCCGGG
ATTTGGTAACTGAACTCTTCTGCTGACATACCTTACTGAAGTCTCGATTTCTTCTCTC
TCTGCATATGCCGGAATAAGAGATCCTTTTTCAATGTAACAATTATATTTATGAAAAGA
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CTTCTAATATATTAATCTGAAGATGTGAAGGGCACAGAAGTGAATTTGAATAAGAAGAA
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TATGGGTAGATTCTTGAGAAGCATTTTATATAATTTCACTGAAGAACCTTGATAATTTT
GACCCACTGTAACCTAGCCACTGATGAACCTTAAAGCTGAGTATTTTATAACACCTGAT
TTGTATTCATTATATTCAAAATGCATCTTTGGTATTGTGCTCTGCTCCCATCTCTCTC
TTTGCCTCATAGATTTAGCTATGTTGGGAAGCACATGCTTGTCTAGGAATATCTCCAAT
AAAGCTGTTAACTATTTGGTGGAAAAAATTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
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Restriction Sites:

ECoRI-NOT

ACCN:	NM_004466
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_004466.3</u> , <u>NP_004457.1</u>
RefSeq Size:	2934 bp
RefSeq ORF:	1719 bp
Locus ID:	2262
UniProt ID:	<u>P78333</u>
Cytogenetics:	13q31.3
Domains:	Glypican
Gene Summary:	Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol linkage. These proteins may play a role in the control of cell division and growth regulation. [provided by RefSeq, Jul 2008]