

## Product datasheet for **SC117378**

### 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:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC117378 sequence for NM\_004466 edited (data generated by NextGen Sequencing)

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ATGGACGCACAGACCTGGCCCGTGGGCTTTCGCTGCCTCCTCCTTCTGGCCCTGGTTGGG
TCCGCCCGCAGCGAGGGCGTGCAGACCTGCGAAGAAGTTCGGAACTTTTCCAGTGGCGG
CTGCTGGGAGCTGTCAGGGGGCTGCCGGATTCGCCGGGGCAGGACCTGATCTTCAGGTT
TGCATATCCAAAAAGCCTACATGTTGCACCAGGAAGATGGAGGAGAGATATCAGATTGCG
GCTCGACAGGATATGCAGCAGTTTCTTCAAACGTCAGCTCTACATTAAGTTTCTAATA
TCTCGAAATGCGGCTGCTTTTCAAGAAACCTTGAAACTCTCATCAAACAAGCAGAAAAAT
TACACCAGTATACTTTTTTGCAGTACCTACAGGAACATGGCCTTGAGGGCTGCTGCTTCG
GTTCAGGAGTTCTTCACTGATGTGGGGCTGATTTATTTGGTGCGGATGTTAATCCTGAA
GAATTTGTAAACAGATTTTTTGACAGTCTTTTTCTCTGGTCTACAACCACCTCATTAAAC
CCTGGTGTGACTGACAGTTCCTGGAATACTCAGAATGCATCCGGATGGCTCGCCGGGAT
GTGAGTCCATTTGGTAATATCCCAAAGAGTAATGGGACAGATGGGAGGTCCCTGCTG
CCCAGCCGCACTTTTCTGCAGGCACTCAATCTGGGCATTGAAGTCATCAACACCACAGAC
TATCTGCACTTCTCAAAGAGTGCAGCAGAGCCCTCCTGAAGATGCAATACTGCCCGCAC
TGCCAAGGCCTGGCGCTACTAAGCCTTGATGGGATACTGCCTCAATGTCATGCGAGGC
TGCTGGCGCACATGGCGGAGCTTAATCCACACTGGCATGCATATATCCGGTCTGTTGAA
GAACTCTCGGATGCAATGCATGGAACATACGACATTGGACACGTGCTGCTGAACTTTAC
TTGCTTGTAAATGATGCTGTGTTACAGGCTCACCTCAATGGACAAAAATTATTGGAACAG
GTAATAGGATTTGTGGCCGCCCTGTAAGAACCACACAAAGCCCCGTTGTTCTTTT
GATCAGAGCAAAGAGAAGCATGGAATGAAGACCACCAAGGAACAGTGAAGAGACGCTT
GCCAACAGAAGAAAAGATTTATCAACAGCCTTCGACTGTACAGGTCATTCTATGGAGGT
CTAGTGTATCAGCTTTGTCTAATGAATTAGCTGCTGCAGATGGACTTCCCTGCTGGAAT
GGAGAAGATATAGTAAAAAGTTATACTCAGCGTGTGGTTGGAAATGGAATCAAAGCCAG
TCTGAAATCCTGAAGTCAAAGTCAAAGGAATTGATCCTGTGATAAATCAGATTATTGAT
AAACTGAAGCATGTTGTTTCAAGTTGTTACAGGGTAGATCACCCAAACCTGACAAGTGGAA
CTTCTTCACTGAGTGGGCACTGGTGGAGGCATGGTTGAACAAGTCAGTGGGACTGTGATGAT
GAAGATGGTTGCGGGGGATCAGGAAGTGGAGAAGTCAAGAGGACACTGAAGATCACAGAC
TGGATGCCAGATGATATGAACCTCAGTGTGTAAGCAAATCCATCAAACAGACTGGC
AGTACTTTAGACACAACAGGAGCAGGATGTGCAGTGGCGACTGAATCTATGACATCACT
CTGATAAGTGTGGTGTGTTACTTCCCGGATTTGGTAA
    
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Clone variation with respect to NM\_004466.4

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_004466 unedited

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GTCCCCATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCGTACACCCC
GCAGCCGGCTCGCACCGCTCGAGAGCCTCGGCCGCTGTGTCTTCCACGTCTGCAGCTCAG
CCAGGGCGCGCAGGGCGAGTGGGGTCCACTGGCCGGTAAAGGGGACCAGGACGGCGAGGA
TGGACGCACAGACCTGGCCCGTGGGCTTTCGCTGCCTCCTCCTTCTGGCCCTGGTTGGGT
CCGCCCGCAGCGAGGGCGTGCAGACCTGCGAAGAAGTTCGGAACTTTTCCAGTGGCGGC
TGCTGGGAGCTGTGAGGGGGCTGCCGGATTCGCCCGGGCAGGACCTGATCTTACAGTGT
GCATATCCAAAAAGCCTACATGTTGCACCAGGAAGATGGAGGAGAGATATCAGATTGCGG
CTCGCCAGGATATGCAGCAGTTTCTTCAAACGTCAGCTCTACATTAAGTTTCTAATAT
CTCGAAATGCGGCTGCTTTTCAAGAAACCTTGAAACTCTCATCAAACAAGCCGAAATTT
ACACCAGTATACTTTTTTGCAGTACCTACAGGAACATGGCCTTGAGGGCTGCTGCTTCGG
ATTTGNTAACAGATTTTTTGCAGTCTTTTTTCTCTGGTCTACAACCACCTCATTAAACC
TGGTGTGACTGACAGTTCCTGGAATACTCANAATGCATNCGGATGGCTCGCCGGGATGT
GAGTCCATTTTGTAAATATCCCAAAGAGTATGGGACAGAGGGGNAGTCCCTGCTGCCCA
GCCCACTTTTCTGCAGGACTCAATCTGGGCATTGAATCATCACACCACAGACTTCTGCAC
TCTTCAAGATGCAGCAGAGCCCTCTGAGATGCATACATGCG
    
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_004466 unedited TTCTTGATATATCTATGNNACCGCGCCGCATNCTANGATCGAGTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCACCAATAGTTAACAGCTTTATTGAAATAT TCCTAGAGCAAGCATGTGCTTCCCAACATAGCTAAATCTATGAGGCAAAAAGAGAGATGG GAGCAAAGGCCCAATACCAAAGATGCATTTTGAATATAAGGGAATACAAATCAGGGGTTA ATAAAATACTCAGCTTTAAGGTTTCATCAGGGGCTAAGTTACAGGGGGTCAAAATTATCAA GGTTCTTCAGGGAAATTATATGAAATGCTTCTCAAAAATCTACCCATAACTTATAGACA TTCAAACATTTCTTCTACAGCTTGCAAAAATGGAAAAGTCTCTTGAATATGCATGCATA CTACTTGCCATTGGATGTTTTGATTTATTTTCATGATATTCTAATTTCAACTTTAAAAA ATACTGCATACTGTTTTTCATTGGCTGGCAAATACACTTTCAAATGAAAACATTTTAAAT TAAAAAGGAAGGGGCTTGAATTGATAATAAAATTACAGATCCCCTAAATTTCTTTATT CAAAGTCACTTCTGTGCCCTTCACATCTTCAGATTTAATATATTTAAAAGTTAAGAAGGTT TTCAGTTAGATTGAAAAAGACATTTTTTAAAGTGTGCATTTAAACGTTGAGTTTTAG GGACTTTATGAATATTTAGCTTGGCTTCTGAAAAGTTAGTGAACATATCTTTTCATAA AATAATTGTTACATTGAAAAAGATCTTTTATCCAGGCCTATGCAAAAAGGGAAGAAATC GAGACTTTGTTAGGTATTTTCAGGACAGAAAAATTCATA
<b>Restriction Sites:</b>	ECoRI-NOT
<b>ACCN:</b>	NM_004466
<b>Insert Size:</b>	2500 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_004466.3</a></u> , <u><a href="#">NP_004457.1</a></u>
<b>RefSeq Size:</b>	2934 bp
<b>RefSeq ORF:</b>	1719 bp
<b>Locus ID:</b>	2262
<b>UniProt ID:</b>	<u><a href="#">P78333</a></u>
<b>Cytogenetics:</b>	13q31.3
<b>Domains:</b>	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]