

Product datasheet for **SC123280**

Glypican 2 (GPC2) (NM_152742) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glypican 2 (GPC2) (NM_152742) Human Untagged Clone
Tag:	Tag Free
Symbol:	Glypican 2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_152742 edited
 GGCAGATGCCGCCTGGTCCAGCTATCGTGCTCGGTATTTCAGTTTTCCGGAGCAGCGCTCT
 TTCTCTGGCCCGCGGAGCGGTCCCGCGGCCGAGTACCGGATTCCCGAGTTTGGGAGGCTC
 TGCTTTCTCCTTAGGACCCACTTTGCCGTCTGGGGTGGCTGCAGTTATGTCCGCGCTG
 CGACCTCTCCTGCTTCTGCTGCTGCCTCTGTGTCCCGTCTGGTCCCGACCCGGGAGC
 GAGGCAAAGGTCACCCGGAGTTGTGCAGAGACCCGGCAGGTGCTGGGGGCCCGGGATAT
 AGCTTAAACCTAATCCCTCCCGCCTGATCTCAGGTGAGCACCTCCGGTCTGTCCCCAG
 GAGTACACCTGCTGTTCCAGTGAGACAGAGCAGAGGCTGATCAGGGAGACTGAGGCCACC
 TTCCGAGGCCTGGTGGAGGACAGCGGCTCCTTTCTGGTTCACACACTGGCTGCCAGGCAC
 AGAAAATTTGATGAGTTTTTCTGGAGATGCTCTCAGTAGCCAGCACTCTCTGACCCAG
 CTCTTCTCCCACTCCTACGGCCGCTGTATGCCAGCACGCCCTCATATTCAATGGCCTG
 TTCTCTCGGCTGCGAGACTTCTATGGGAATCTGGTGAGGGTTGGATGACACCCTGGCG
 GATTTCTGGGCACAGCTCCTGGAGAGAGTGTCCCGCTGCTGCACCCACAGTACAGCTTC
 CCCCTGACTACCTGCTCTGCCTCTCACGCTTGGCCTCATCTACCGATGGCTCTCTGCAG
 CCCTTTGGGACTCACCCGCGCCTCCGCTGCAGATAACCCGGACCCTGGTGGCTGCC
 CGAGCCTTTGTGAGGGCTGGAGACTGGAAGAAATGTGGTCAGCGAAGCGCTTAAGGTG
 CCGGTGTCTGAAGGCTGCAGCCAGGCTCTGATGCGTCTCATCGGCTGTCCCTGTGCCGG
 GGGTCCCTCACTTATGCCCTGCCAGGCTTCTGCCTCAACGTGGTTCGTGGCTGTCTC
 AGCAGCAGGGGACTGGAGCCTGACTGGGCAACTATCTGGATGGTCTCCTGATCTGGCT
 GATAAGCTCCAGGGCCCCCTTTCTTTGAGCTGACGGCCGAGTCCATTGGGGTGAAGATC
 TCGGAGGGTTTGATGTACCTGCAGGAAACAGTGCGAAGGTGTCCGCCAGGTGTTTCAG
 GAGTGGGCCCCCCCCGACCCGGTGCCTGCCGCAACCGTCGAGCCCCCGCGCCCCGGAA
 GAGGCGGGCCCGCTGTGGTCGATGGTGACCGAGGAGAGCGGCCACGACGGCCGAGGC
 ACCAACCTGCACCGGCTGGTGTGGGAGCTCCGCGAGCGTCTGGCCCGGATGCGGGGCTTC
 TGGGCCCGGCTGTCCCTGACGGTGTGCGGAGACTCTCGCATGGCAGCGGACGCTCGCTG
 GAGGCGGCGCCCTGCTGGACCGGAGCCGGGCGGGCCGGTACTTGCCGCCAGTGGTCGGG
 GGCTCCCCGGCCGAGCAGGTCAACAACCCGAGCTCAAGGTGGACGCTCGGGCCCCGAT
 GTCCCGACACGGCGGCGTGGCTACAGCTCCGGGCGGCCACGGCCAGAATGAAAACGGCC
 GCACTGGGACACGACCTGGACGGGACGACGCGGATGAGGATGCCAGCGGCTCTGGAGGG
 GGACAGCAGTATGCAGATGACTGGATGGCTGGGCTGTGGCTCCCCAGCCCGGCTCCT
 CGGCCTCCATACCCTCCTAGAAGGGATGGTTCTGGGGGCAAAGGAGGAGGTGGCAGTGCC
 CGCTACAACCGAGGCCGAGCAGGAGTGGGGGGCATCTATTGGTTTTACACCCAAACC
 ATCCTCATTCTCTCCCTCTCAGCCCTGGCCTGCTTGGACCTCGATAACGGGGGAGGGGT
 GCCCTAGCATCAGAAGGGTTTCATGGCCCTTTCCCTCCTCCCCCTCAGCTGGGCTGGG
 GAGGAGTCGAAGGGGGTGCAGAGAGGGTAGAGAAGGGACTTTCAGGTGAATGGCTGGG
 GCCCCAAATCCAGGAGATTTTCATCAGAGGTGGTGGGTGTTCACAATATTTATTTTTC
 ATTTGGTAATGGGAGGGGGCTGGGGTATTTATTTAGGAGGAGTGTGGTTTCCTTAG
 AAGGTATAGTCTCCAGCCCTCTAAGGCTGGGCTGGTGATCAGCCCCAACAGAGAAAATG
 AGGAGTTTAGAGTTGCAGCTGGGGAAGGGTTTGAAGGAAGTTGGAAGTGGGAGGGGTG
 GGGCATCTGGTCTCAGAAATGGACAGCTGGATGCAGGGCAGGGGACTGAGGGTGCTTG
 AGTAGGATGTGAGACTTCATGGGCTGGTCTGTTGAGTTTTTTCAGTATCAATTTCTT
 AAACCAATTTTAAAAAAACAAGGTGGGGGGTGTCTATCTCGTGACCTCTGCCACCCA
 CATCCTTCACAACTCCATGTTTCAGTGTTCAGTCCATGTTTATTCTGCAATAAATGG
 TAATGTATTGAA
 AA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_152742 unedited <pre> NGGCATTTANGAGNNGNAAAACACNCATTTNAGGGCGGCCGAGATTCCCGGGATGGCA GATGCCCGCTGGTCCAGCTATCGTGCTCGGTATTCAGTTTTCCGGAGCAGCGCTCTTCT CTGGCCCGCGGAGCGGTCCCGCGGCCGAGTACCGGATTCCCGAGTTTGGGAGGCTCTGCT TTCCTCCTTAGGACCACTTTGCCGTCTGGGGTGGCTGCAGTTATGTCCGCGCTGCGAC CTCTCTGCTTCTGCTGCTGCCTCTGTGTCCCGGTCTGGTCCCGGACCCGGGAGCGAGG CAAAGGTCACCCGGAGTTGTGCAGAGACCCGGCAGGTGCTGGGGGCCCGGGATATAGCT TAAACCTAATCCCTCCCGCCCTGATCTCAGGTGAGCACCTCCGGGTCTGTCCCCAGGAGT ACACCTGCTGTTCCAGTGAGACAGAGCAGAGGCTGATCAGGGAGACTGAGGCCACCTTCC GAGGCCTGGTGGAGGACAGCGGCTCCTTTCTGGTTCACACACTGGCTGCCAGGCACAGAA AATTTGATGAGTTTTTCTGGAGATGCTCTCAGTAGCCAGCACTCTCTGACCCAGCTCT TCTCCCACTCTACGGCCGCTGTATGCCAGCACGCCCTCATATTCAATGGCCTGTTCT CTCGGCTGCGAGACTTCTATGGGAATCTGGTGAGGGTTGGATGACACCCTGGCGGATT TCTGGGCACAGCTCCTGGAGAGAGTGTCCCGCTGCTGCACCCACAGTACAGCTTCCCC CTGACTACCTGCTCTGCCTCTCAGCTTGGCCTCATCTACCGATGGCTCTCTGCAGCCCT TTGGGGACTCACCCGCCGCTCCGCTGCAGATAACCCGGACCCTGGTGGCTGCCCGAC CTT </pre>
Restriction Sites:	Please inquire
ACCN:	NM_152742
Insert Size:	2700 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).
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:	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_152742.1, NP_689955.1</u>
RefSeq Size:	2666 bp
RefSeq ORF:	1740 bp
Locus ID:	221914

UniProt ID: [Q8N158](#)

Cytogenetics: 7q22.1

Protein Families: Druggable Genome

Gene Summary: Cell surface proteoglycan that bears heparan sulfate. May fulfill a function related to the motile behaviors of developing neurons (By similarity).[UniProtKB/Swiss-Prot Function]