

Product datasheet for **SC327126**

Glypican 3 (GPC3) (NM_001164617) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glypican 3 (GPC3) (NM_001164617) Human Untagged Clone
Tag:	Tag Free
Symbol:	Glypican 3
Synonyms:	DGSX; GTR2-2; MXR7; OCI-5; SDYS; SGB; SGBS; SGBS1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001164617 edited
 CACTCTCCCGCGCTCTCCTAGCTCCCTGCGAAGCAGGATGGCCGGGACCGTGCGCACCGC
 GTGCTTGGTGGTGGCGATGCTGCTCAGCTTGGACTTCCCGGGACAGGCGCAGCCCCCGCC
 GCCGCCCGCGACGCCACCTGTCAACCAAGTCCGCTCCTTCTCCAGAGACTGCAGCCCGG
 ACTCAAGTGGGTGCCAGAACTCCCGTCCAGGATCAGATTTGCAAGTATGTCTCCCTAA
 GGGCCCAACATGCTGCTCAAGAAAGATGGAAGAAAAATACCAACTAACAGCACGATTGAA
 CATGGAACAGCTGCTTCCAGTCTGCAAGTATGGAGCTCAAGTTCTTAATTATTCAGAATGC
 TGGCGTTTTCCAAGAGCCTTTGAAATTGTTGTCGCCATGCCAAGAACTACACCAATGC
 CATGTTCAAGAACAACACTACCCAAGCCTGACTCCACAAGCTTTTGAGTTTGTGGGTGAATT
 TTTACAGATGTGTCTCTACATCTTGGGTTCTGACATCAATGTAGATGACATGGTCAA
 TGAATTGTTTACAGCCTGTTTCCAGTCATCTATACCCAGCTAATGAACCCAGGCCTGCC
 TGATTCAGCCTTGGACATCAATGAGTGCCTCCGAGGAGCAAGACGTGACCTGAAAGTATT
 TGGGAATTTCCCAAGCTTATTATGACCCAGGTTTCCAAGTCACTGCAAGTCACTAGGAT
 CTTCTTCAGGCTCTGAATCTTGAATTGAAGTATCAACACAACCTGATCACCTGAAGTT
 CAGTAAGGACTGTGGCCGAATGCTCACCAGAATGTGGTACTGCTTACTGCCAGGGACT
 GATGATGGTTAAACCCTGTGGCGTTACTGCAATGTGGTCAATGCAAGGCTGTATGGCAGG
 TGTGGTGGAGATTGACAAGTACTGGAGAGAATACATTCTGTCCCTTGAAGAACTTGTGAA
 TGGCATGTACAGAATCTATGACATGGAGAACGTAAGTACTGCTTGGTCTCTTTTCAACAATCCA
 TGATTCTATCCAGTATGTCCAGAAGATGCAGGAAAGCTGACCACCAGTAAAAGTGAAGAA
 GAAAAATATGGCACTTCAAATATCCTATCTTCTTCTGTGTATAGGGCTAGACTTACAGAT
 TGGCAAGTTATGTGCCATTCTCAACAACGCCAATATAGATCTGCTTATTATCCTGAAGA
 TCTCTTTATTGACAAGAAAGTATTAAGTGGTCTCATGTAGAACATGAAGAAACCTTATC
 CAGCCGAAGAAGGGAACATAATCAGAAGTTGAAGTCTTTCATCAGCTTCTATAGTGCTTT
 GCCTGGCTACATCTGCAGCCATAGCCCTGTGGCGAAAACGACACCCCTTTGCTGGAATGG
 ACAAGAACTCGTGGAGAGATACAGCCAAAAGGCAGCAAGGAATGGAATGAAAAACCAAGTT
 CAATCTCCATGAGCTGAAAATGAAGGGCCCTGAGCCAGTGGTCAAGTAAATTATTGACAA
 ACTGAAGCACATTAACCAGCTCCTGAGAACCATGTCTATGCCCAAAGGTAGAGTTCTGGA
 TAAAAACCTGGATGAGGAAGGGTTTGAAGTGGAGACTGCGGTGATGATGAAGATGAGTG
 CATTGGAGGCTCTGGTATGGAATGATAAAAGTGAAGAATCAGCTCCGCTTCTTGCAGA
 ACTGGCCTATGATCTGGATGTGGATGATGCGCCTGGAACAGTCAGCAGGCAACTCCGAA
 GGACAACGAGATAAGCACCTTTCACAACCTCGGGAACGTTCAATCCCGCTGAAGCTTCT
 CACCAGCATGGCCATCTCGGTGGTGTGCTTCTTCTTCTGGTGCCTGACTGCCTGGTGC
 CCAGCACATGTGCTGCCCTACAGCACCCCTGTGGTCTTCTCGATAAAGGGAAACCCTTTC
 TTATTTTTTTCTATTTTTTTTTTTTTTTGTTATCCTGTATACCTCCTCCAGCCATGAAGTAG
 AGGACTAACCATGTGTTATGTTTTCGAAAATCAAATGGTATCTTTTGGAGGAAGATACAT
 TTTAGTGGTAGCATATAGATTGCCTTTTGCAAAGAAAGAAAAAAACCATCAAGTTGTG
 CCAAATATTCTCCTATGTTTGGCTGTAGAACATGGTTACCATGTCTTCTCTCTCACT
 CCCTCCCTTCTATCGTTCTCTCTTTGCATGGATTTCTTTGAAAAAAAATAAATTGTCTCA
 AATAAA

Restriction Sites: Please inquire

ACCN: NM_001164617

Insert Size: 2300 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:	<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:	NM_001164617.1 , NP_001158089.1
RefSeq Size:	2398 bp
RefSeq ORF:	1812 bp
Locus ID:	2719
UniProt ID:	P51654
Cytogenetics:	Xq26.2
Protein Families:	Druggable Genome
Gene Summary:	<p>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. The protein encoded by this gene can bind to and inhibit the dipeptidyl peptidase activity of CD26, and it can induce apoptosis in certain cell types. Deletion mutations in this gene are associated with Simpson-Golabi-Behmel syndrome, also known as Simpson dysmorphism syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>