

Product datasheet for **SC322501**

Glypican 4 (GPC4) (NM_001448) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glypican 4 (GPC4) (NM_001448) Human Untagged Clone
Tag:	Tag Free
Symbol:	Glypican 4
Synonyms:	K-glypican; KPTS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322501
 CTGAGAAGGGCACAGCCGCGCGGAGGGCAGAGTCAGCCGAGCCGAGTCCAGCCGGAC
 GAGCGGACCAGCGCAGGGCAGCCCAAGCAGCGCGCAGCGAACGCCCGCCGCCACAC
 CCTCTGCGGTCCCCGCGGCGCTGCCACCCTTCCCTCCTTCCCCGCGTCCCCGCCTCGCC
 GGCCAGTCAGCTTGCCGGGTTGCTGCCCCGCGAAACCCCGAGGTACCAGCCCGCGCTG
 CTGCTTCCCTGGGCCGCGCGCCCTCCACGCCCTCCTTCTCCCTGGCCCGCGCTCCTCCG
 CACCGGGGACCGTTGCCAGCGGAGGCCAGCTCTACTTTTCCGCCCGCGTCTCCTCCG
 CCTGCTCGCCTTCCACCAACTCCAACCTCTTCCCTCCAGCTCCACTCGTAGTCCC
 CGACTCCGCCAGCCCTCGGCCCGCTGCCGTAGCGCCGCTTCCCGTCCGGTCCCAAAGGTG
 GGAACGCGTCCGCCCGGCCCGCACCATGGCACGGTTCGGCTTCCCGCGCTTCTCTGCA
 CCCTGGCAGTGCTCAGCGCCGCGTGTGGCTGCCGAGCTCAAGTCGAAAAGTTGCTCGG
 AAGTGGCAGCTTTACGTGTCCAAAGGCTTCAACAAGAACGATGCCCCCTCCACGAGA
 TCAACGGTGATCATTTGAAGATCTGTCCCAGGGTTTACCTGCTGCTCTCAAGAGATGG
 AGGAGAAGTACAGCCTGCAAAGTAAAGATGATTTCAAAGTGTGGTCAGCGAACAGTGCA
 ATCATTTGCAAGCTGCTTTGCTTACGTTACAAGAAGTTTGTGAATTCTTCAAAGAAC
 TACTTGAAAATGCAGAGAAATCCCTGAATGATATGTTTGTGAAGACATATGGCCATTTAT
 ACATGCAAAATCTGAGCTATTTAAAGATCTTTCGTAGAGTTGAAACGTTACTACGTGG
 TGGAAATGTGAACCTGGAAGAAATGCTAAATGACTTCTGGGCTCGCCTCCTGGAGCGGA
 TGTTCCGCTGGTGAACCTCCAGTACCCTTTACAGATGAGTATCTGGAATGTGTGAGCA
 AGTATACGGAGCAGCTGAAGCCCTTCGGAGATGTCCCTCGCAAATGAAGCTCCAGGTTA
 CTCGTGCTTTTGTAGCAGCCGTAATTTGCTCAAGGCTTAGCGGTTGCGGGAGATGTGCG
 TGAGCAAGGTCTCCGTGGTAAACCCACAGCCAGTGTACCCATGCCCTGTTGAAGATGA
 TCTACTGCTCCCACTGCCGGGCTCTGTGACTGTGAAGCCATGTTACAACACTACTGCTCA
 ACATCATGAGAGGCTGTTTGGCCAACCAAGGGGATCTCGATTTTGAATGGAACAATTTCA
 TAGATGCTATGCTGATGGTGGCAGAGAGGCTAGAGGGTCTTTCAACATTGAATCGGTCA
 TGGATCCCATCGATGTGAAGATTTCTGATGCTATTATGAACATGCAGGATAATAGTGTT
 AAGTGTCTCAGAAGGTTTTCCAGGGATGTGGACCCCAAGCCCTCCAGCTGGACGAA
 TTTCTCGTTCATCTCTGAAAGTGCCTTCACTGCTCGCTTACAGCCACATCACCCGAGG
 AACGCCAACACAGCAGCTGGCACTAGTTTGGACCGACTGGTACTGATGTCAAGGAGA
 AACTGAAACAGGCCAAGAAATTTCTGGTCTCCCTCCGAGCAACGTTTGAACGATGAGA
 GGATGGCTGCAGGAAACGCAATGAGGATGACTGTTGGAATGGGAAAGGCAAAAGCAGGT
 ACCTGTTTGCAGTGACAGGAAATGGATTAGCCAACCAAGGCAACAACCCAGAGGTCCAGG
 TTGACACCAGCAAACAGACATACTGATCCTTCGTCAAATCATGGCTCTTCGAGTGATGA
 CCAGCAAGATGAAGAATGCATACAATGGGAACGACGTGGACTTCTTTGATATCAGTGATG
 AAAGTAGTGGAGAAGGAAGTGAAGTGGCTGTGAGTATCAGCAGTGCCCTTCCAGAGTTT
 ACTACAATGCCACTGACCATGCTGGGAAGAGTGCCAATGAGAAAGCCGACAGTGTGGT
 TCCGCTCGGGGCACAGGCTACCTCCTCACTGTCTTCTGCATCTTGTTCCTGGTTATGC
 AGAGAGAGTGGAGATAATTCTCAAACCTGAGAAAAAGTGTTCATCAAAAAGTAAAAGG
 CACCAGTTATCACTTTTCTACCATCCTAGTGACTTTGCTTTTAAATGAATGGACAACAA
 TGTACAGTTTTTACTATGTGGCCACTGGTTTAAAGAAGTGTGACTTTGTTTTCTCATTCA
 GTTTTGGGAGGAAAAGGACTGTGCATTGAGTTGGTTCCTGCTCCCCAAACCATGTTAA
 ACGTGGCTAACAGTGTAGGTACAGAACTATAGTTAGTTGTGATTTGTGATTTTACTACT
 CTATTATTTGTTGATGTTTTTTCTCATTTCGTTTGTGGGTTTTTTTTTCCAACCTGTG
 ATCTCGCCTTGTTCCTACAAGCAAACCAAGGTCCTTCTTGGCACGTAACATGTACGTA
 TTTCTGAAATATTAATAGCTGTACAGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001448

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_001448.2 , NP_001439.2
RefSeq Size:	3714 bp
RefSeq ORF:	1671 bp
Locus ID:	2239
UniProt ID:	O75487
Cytogenetics:	Xq26.2
Domains:	Glypican
Protein Families:	Druggable Genome
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. The GPC4 gene is adjacent to the 3' end of GPC3 and may also play a role in Simpson-Golabi-Behmel syndrome. [provided by RefSeq, Jul 2008]