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Product datasheet for SC321494

GPC1 (NM_002081) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPC1 (NM_002081) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPC1
Synonyms:	glypican
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

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>OriGene sequence for NM_002081.1
GGCTGCCCGAGCGAGCGTTCGGACCTCGCACCCCGCGCGCCCCGCGCCGCCGCCGCCGCC
GGCTTTTGTTGTCTCCGCCTCCTCGGCCGCCGCCGCCTCTGGACCGCGAGCCGCGCGCGC
CGGGACCTTGGCTCTGCCCTTCGCGGGCGGGAACTGCGCAGGACCCGGCCAGGATCCGAG
AGAGGCGCGGGCGGGTGGCCGGGGGCGCCGCCGGCCCCGCCATGGAGCTCCGGGCCCGAG
GCTGGTGGCTGCTATGTGCGGCCGCAGCGCTGGTCGCCTGCGCCCGCGGGGACCCGGCCA
GCAAGAGCCGGAGCTGCGGCGAGGTCCGCCAGATCTACGGAGCCAAGGGCTTCAGCCTGA
GCGACGTGCCCCAGGCGGAGATCTCGGGTGAGCACCTGCGGATCTGTCCCCAGGGCTACA
CCTGCTGCACCAGCGAGATGGAGGAGAACCTGGCCAACCGCAGCCATGCCGAGCTGGAGA
CCGCGCTCCGGGACAGCAGCCGCGTCCTGCAGGCCATGCTTGCCACCCAGCTGCGCAGCT
TCGATGACCACTTCCAGCACCTGCTGAACGACTCGGAGCGGACGCTGCAGGCCACCTTCC
CCGGCGCCTTCGGAGAGCTGTACACGCAGAACGCGAGGGCCTTCCGGGACCTGTACTCAG
AGCTGCGCCTGTACTACCGCGGTGCCAACCTGCACCTGGAGGAGACGCTGGCCGAGTTCT
GGGCCCGCCTGCTCGAGCGCCTCTTCAAGCAGCTGCACCCCCAGCTGCTGCTGCCTGATG
ACTACCTGGACTGCCTGGGCAAGCAGGCCGAGGCGCTGCGGCCCTTCGGGGAGGCCCCGA
GAGAGCTGCGCCTGCGGGCCACCCGTGCCTTCGTGGCTGCTCGCTCCTTTGTGCAGGGCC
TGGGCGTGGCCAGCGACGTGGTCCGGAAAGTGGCTCAGGTCCCCCTGGGCCCGGAGTGCT
CGAGAGCTGTCATGAAGCTGGTCTACTGTGCTCACTGCCTGGGAGTCCCCGGCGCCAGGC
CCTGCCCTGACTATTGCCGAAATGTGCTCAAGGGCTGCCTTGCCAACCAGGCCGACCTGG
ACGCCGAGTGGAGGAACCTCCTGGACTCCATGGTGCTCATCACCGACAAGTTCTGGGGTA
CATCGGGTGTGGAGAGTGTCATCGGCAGCGTGCACACGTGGCTGGCGGAGGCCATCAACG
CCCTCCAGGACAACAGGGACACGCTCACGGCCAAGGTCATCCAGGGCTGCGGGAACCCCA
AGGTCAACCCCCAGGGCCCTGGGCCTGAGGAGAAGCGGCGCCGGGGCAAGCTGGCCCCGC
GGGAGAGGCCACCTTCAGGCACGCTGGAGAAGCTGGTCTCTGAAGCCAAGGCCCAGCTCC
GCGACGTCCAGGACTTCTGGATCAGCCTCCCAGGGACACTGTGCAGTGAGAAGATGGCCC
TGAGCACTGCCAGTGATGACCGCTGCTGGAACGGGATGGCCAGAGGCCGGTACCTCCCCG
AGGTCATGGGTGACGGCCTGGCCAACCAGATCAACAACCCCGAGGTGGAGGTGGACATCA
CCAAGCCGGACATGACCATCCGGCAGCAGATCATGCAGCTGAAGATCATGACCAACCGGC
TGCGCAGCGCCTACAACGGCAACGACGTGGACTTCCAGGACGCCAGTGACGACGGCAGCG
GCTCGGGCAGCGGTGATGGCTGTCTGGATGACCTCTGCGGCCGGAAGGTCAGCAGGAAGA
GCTCCAGCTCCCGGACGCCCTTGACCCATGCCCTCCCAGGCCTGTCAGAGCAGGAAGGAC
AGAAGACCTCGGCTGCCAGCTGCCCCCAGCCCCCGACCTTCCTCCTGCCCCTCCTCCTCT
TCCTGGCCCTTACAGTAGCCAGGCCCCGGTGGCGGTAACTGCCCCAAGGCCCCAGGGACA
GAGGCCAAGGACTGACTTTGCCAAAAATACAACACAGACGATATTTAATTCAAAAAAAAA
AAAAAAAAAA
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Restriction Sites: Please inquire

ACCN: NM_002081

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.
RefSeq:	NM_002081.1, NP_002072.1
RefSeq Size:	3692 bp
RefSeq ORF:	1677 bp
Locus ID:	2817
UniProt ID:	P35052
Cytogenetics:	2q37.3
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. [provided by RefSeq, Jul 2008]