

## Recombinant Human GPC3 Protein, His-tagged

Cat. No. GPC3-271H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human GPC3 protein with His tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	580
<b>Description</b>	<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 dysmorphia syndrome. Alternative splicing results in multiple transcript variants.</p>
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	61.7 kDa
<b>AA Sequence</b>	MAGTVRTACLVVAMLLSLDFPGQAQPPPPPDATCHQVRSFFQRLQPGLKWVPET PVPGSDLQVCLPKGPTCCSRKMEEKYQLTARLNMEQLLQSASMELKFLIQNAAVFQ

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EAFEIVVRHAKNYTNAMFKNNYPSLTPQAFEFVGEFFTDVSLYILGSDINVDDMVNEL  
 FDSLFPVIYTQLMNPGLPDSALDINECLRGARRDLKVFGNFPKLIMTQVSKSLQVTRI  
 FLQALNLGIEVINTTDHLKFSKDCGRMLTRMWYCSYCQGLMMVKPCGGYCNVVMQ  
 GCMAGVVEIDKYWREYILSLEELVNGMYRIYDMENVLLGLFSTIHDSIQYVQKNAGKL  
 TTTIGKLCASQQRQYRSAYYPEDLFIDKKVLKVAHVEHEETLSSRRRELIQKLKSFIS  
 FYSALPGYICSHSPAENDTLCWNGQELVERYSQKAARNGMKNQFNLHELKMKGP  
 EPVVSQIIDKCLKHINQLLRTMSMPKGRVLDKNLDEEGFESGDCGDDEDECIGGSGD  
 GMIKVKNQLRFLAELAYDLDVDDAPGNSQQATPKDNEISTFHNLGNVHSPKLLTSM  
 AISVVCFFFLVH

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

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<b>Gene Name</b>	GPC3 glypican 3 [ Homo sapiens (human) ]
<b>Official Symbol</b>	GPC3
<b>Synonyms</b>	GPC3; glypican 3; SDYS; glypican-3; DGSX; glypican proteoglycan 3; OCI 5; SGB; SGBS; SGBS1; secreted glypican-3; intestinal protein OCI-5; heparan sulphate proteoglycan; MXR7; OCI-5; GTR2-2;
<b>Gene ID</b>	2719
<b>mRNA Refseq</b>	NM_001164617
<b>Protein Refseq</b>	NP_001158089
<b>MIM</b>	300037
<b>UniProt ID</b>	P51654

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