

## Recombinant Human GPC3 Protein (S359F), His-tagged, low endotoxin, FITC conjugated

Cat. No. GPC3-2246HF Lot. No. (See product label)

### SPECIFICATION

**Product Overview** FITC conjugated recombinant human GPC3 (S359F, Gln25-His559)(low endotoxin) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).

**Species** Human

**Source** HEK293

**ProteinLength** Gln25-His559

**Description** Glypican-3 (GPC3) is also known as Intestinal protein OCI-5, GTR2-2, MXR7, which belongs to the glypican family. Glypican 3/GPC-3 is highly expressed in lung, liver and kidney. Glypican-3 inhibits the dipeptidyl peptidase activity of DPP4. Glypican-3 may be involved in the suppression/modulation of growth in the predominantly mesodermal tissues and organs, and also may play a role in the modulation of IGF2 interactions with its receptor and thereby modulate its function.

**Form** Lyophilized

**Molecular Mass** The protein has a calculated MW of 61.7 kDa. The protein migrates as 66-115 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

**N-terminal Sequence Analysis** Gln 25

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<b>Endotoxin</b>	< 0.1 EU/ µg by the LAL method.
<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Characteristic</b>	<p>Disulfide-linked homodimer</p> <p>Labeled with FITC via amines</p> <p>Excitation source: 488 nm spectral line, argon-ion laser</p> <p>Excitation Wavelength: 488 nm</p> <p>Emission Wavelength: 535 nm</p>
<b>Storage</b>	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 to -70 centigrade for 12 months in lyophilized state;</p> <p>-70 centigrade for 3 months under sterile conditions after reconstitution.</p>
<b>Storage Buffer</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

<b>Conjugation</b>	FITC
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## GENE INFORMATION

<b>Gene Name</b>	GPC3
<b>Official Symbol</b>	GPC3

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<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>	<a href="#">2719</a>
<b>mRNA Refseq</b>	<a href="#">NM_001164617</a>
<b>Protein Refseq</b>	<a href="#">NP_001158089</a>
<b>MIM</b>	<a href="#">300037</a>
<b>UniProt ID</b>	<a href="#">P51654</a>

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