

Recombinant Human GPC3 Protein, Fc-tagged

Cat. No. GPC3-621H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Glypican 3, Fc Tag, low endotoxin is expressed from human 293 cells (HEK293). It contains AA Gln 25 - His 559 (Accession # P51654-1).
Species	Human
Source	HEK293
ProteinLength	Gln 25 - His 559
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.
Predicted N Terminal	Gln 25 & Ser 359
Form	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus. This protein contains a furin-like convertase cleavage site, 355-RQYR-358, and will be partially processed into N and C-terminal fragment with calculated MW of 38.1 kDa and 49.3 kDa respectively. The protein migrates as 40 kDa, 60 kDa and 100-120 kDa under

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	reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

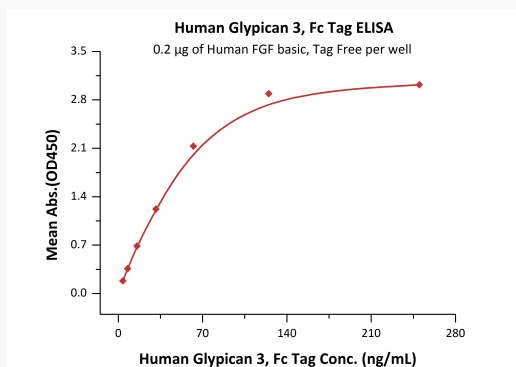
GENE INFORMATION

Gene Name	GPC3 glypican 3 [Homo sapiens]
Official Symbol	GPC3
Synonyms	GPC3; OCI5; Glypican-3; GTR2-2; MXR7; DGSX; SDYS ; SGB; SGBS; SGBS1
Gene ID	2719
mRNA Refseq	NM_001164617
Protein Refseq	NP_001158089
MIM	300037

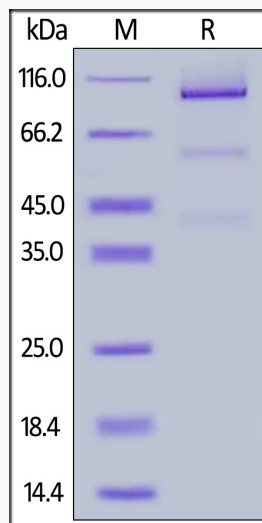
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UniProt ID
P51654
Bioactivity-ELISA


Immobilized Human FGF basic, Tag Free at 2 µg/mL (100 µL/well) can bind Human Glypican 3, Fc Tag with a linear range of 4-63 ng/mL.

SDS-PAGE


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