

Human CellExp™ Glypican 3 / GPC3, Mouse Recombinant

CATALOG NO:	P1118-100	100 µg
ALTERNATE NAMES:	GPC3, OCI5, Glypican-3, GTR2-2, MXR7, DGSX, SDYS, SGB, SGBS, SGBS1	
SOURCE:	HEK 293 cells (Gln 25 – Met 557)	
PURITY:	> 90% by SDS – PAGE	
MOL. WEIGHT:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 87.2 kDa. GP3-M5254 may be cleaved into secrete GPC3, short propeptide (aa -557) & Fc tag, long propeptide (aa 358-557 predicted) & Fc tag. The protein migrates as 100 kDa (secrete GPC3 & propeptide & Fc tag), 58 kDa (long propeptide & Fc tag), 40 kDa (short propeptide & Fc tag) and 35 kDa Human IgG1 Fc fragment on a SDS-PAGE gel under reducing (R) condition.	
ENDOTOXIN LEVEL:	< 1.0 EU per 1 µg of protein (determined by LAL method)	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from 0.22 µm filtered solution in Tris with glycine, arginine, and NaCl, pH 7.5. Generally Trehalose is added as a protectant before lyophilization.	
STORAGE CONDITIONS:	Store at -20 °C. After reconstitution, aliquot and store at -20 °C and use within 3 months. Avoid repeated freezing and thawing cycles.	
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 50 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. Do not vortex. For extended storage, it is recommended to store at -80 °C.	
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.	
BIOACTIVITY:	Measured by its binding ability in a functional ELISA. Immobilized Human FGF basic, Tag Free at 2µ g/mL (100 µL/well) can bind Mouse Glypican 3, Fc Tag with a linear range of 1.22-9.7 ng/mL.	

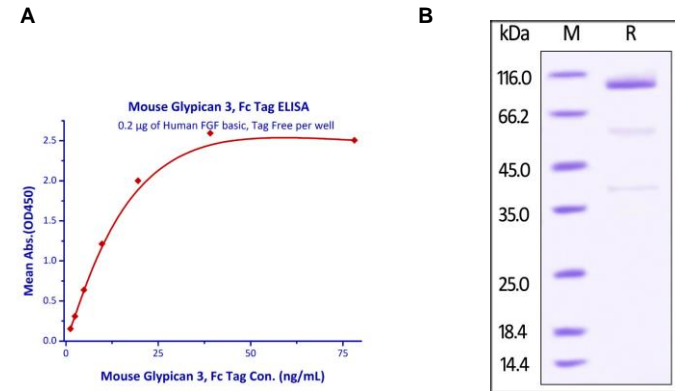


Fig A: Immobilized Human FGF basic, Tag Free at 2µg/mL (100 µL/well) can bind Mouse Glypican 3, Fc Tag with a linear range of 1.22-9.7 ng/mL.

Fig B: The purity of Human GPC3, Fc Tag was determined by DTT-reduced (+) SDS-PAGE and staining overnight with Coomassie Blue.

RELATED PRODUCT:

- Human CellExp™ Glypican 3 / GPC3, Human recombinant (Cat. No. P1057-10, -50)
- Activin A, human recombinant (Cat. No. 4724-10, -100, -1000)
- Activin A, mouse recombinant (Cat. No. 4725-10, -100, -1000)
- Activin A, rat recombinant (Cat. No. 4726-10, -100, -1000)
- Activin B, human recombinant (Cat. No. 7112-10, -50)
- Human CellExp™ FABP-3, human recombinant (Cat. No. 7234-10)
- Human CellExp™ FABP2 /I-FABP, human recombinant (Cat. No. 7274-10)
- Human CellExp™ FABP2 /I-FABP, human recombinant (Cat. No. 7474-50)

FOR RESEARCH USE ONLY! Not to be used on humans.

