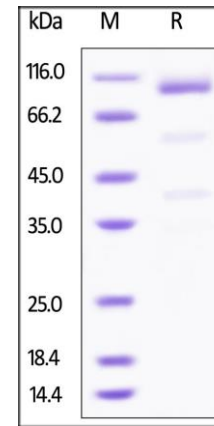


Human CellExp™ Glypican 3 / GPC3, Fc Tag, Human Recombinant

CATALOG NO:	P1341-10	10 µg
	P1341-50	50 µg
ALTERNATE NAMES:	GPC3, OCI5, Glypican-3, GTR2-2, MXR7, DGSX, SDYS, SGB, SGBS, SGBS1	
SOURCE:	HEK 293 cells (Gln 25 - His 559)	
PURITY:	>90% GPC3 and 2-8% human IgG1 Fc fragment as determined by SDS-PAGE.	
MOL. WEIGHT:	This protein is fused with a human IgG1 Fc tag at the C-terminus, and has a calculated MW of 87.4 kDa. GPC3 protein may be cleaved into secreted GPC3, short propeptide (aa 483-559 predicted) & Fc tag, long propeptide (aa 359-559 predicted) & Fc tag. The protein migrates as 100 kDa (secreted GPC3 & propeptide & Fc tag), 58 kDa (long propeptide & Fc tag), and 40 kDa (short propeptide & Fc tag) on a SDS-PAGE gel under reducing (R) condition.	
ENDOTOXIN LEVEL:	< 1.0 EU per 1µg of protein (determined by LAL method)	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH 7.5. Normally Trehalose is added as 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 PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°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.	
SPECIFIC ACTIVITY:	Immobilized Human FGF basic, Tag Free at 2µg/mL (100 µL/well) can bind Human Glypican 3, Fc Tag with a linear range of 0.48-7.8 ng/mL	

A



B

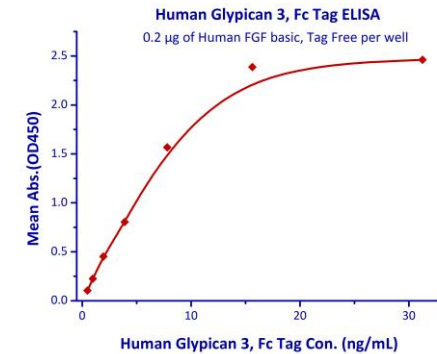


Fig. A. Human Glypican 3, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue

Fig. B. 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 0.48-7.8 ng/mL

RELATED PRODUCT:

- Human CellExp™ Glypican 3 / GPC3, Human recombinant (**Cat. No. P1057**)
- Human CellExp™ Glypican 3 /GPC3, mouse recombinant (**Cat. No. P1118**)
- Human CellExp™ Glypican 3 / GPC3, Cynomolgus recombinant (**Cat. No. P1119**)
- Human CellExp™ Glypican 3/GPC3, Cynomolgus Recombinant (**Cat. No. P1176**)
- Human CellExp™ Glypican 3 / GPC3, Mouse Recombinant (**Cat. No. P1177**)

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