

Biotinylated Recombinant Human GPC3/Glypican 3 Protein, His-Avi Tag

产品信息

产品名称	产品编号	规格
	93128ES60	100 µg
Biotinylated Recombinant Human GPC3/Glypican 3 Protein,His-Avi Tag	93128ES76	500 µg
	93128ES80	1 mg

产品描述

Glypicans (GPC) are a family of heparan sulfate proteoglycans that are attached to the cell surface by a glycosylphosphatidylinositol (GPI) anchor. Six members of this family have been identified in mammals (GPC1-GPC6). Glypican 3 is a potential therapeutic target for treating liver cancer and other cancers. Several therapeutic anti-GPC3 antibodies have been developed.

产品性质

Synonyms	GPC3; DGSX; Glypican 3; GTR2-2; MXR7; OCI5; OCI-5; SGB; SGBS; SGBS1SDYS; SDYS; SGBS1
Uniprot No.	P51654-1
Source	Recombinant Biotinylated Human GPC3/Glypican 3 Protein is expressed from HEK293 Cells with His tag and Avi tag at the C-terminal. It contains Gln25-His559.
Molecular Weight	The protein has a predicted MW of 63.6 kDa. Due to glycosylation, the protein migrates to 42 kDa, 80-135 kDa based on Tris-Bis PAGE result.
Purity	> 90% as determined by Tris-Bis PAGE
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL` is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

运输与保存方法

The products are shipped with ice pack and can be stored at -20°C for 1 year.

2-7 days, 2 to 8 °C under sterile conditions after reconstitution.

3 -6 months, -20 to -80°C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

注意事项

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. For research use only!

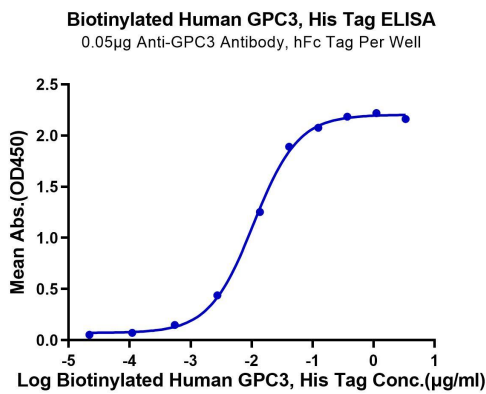
产品数据

Tris-Bis PAGE



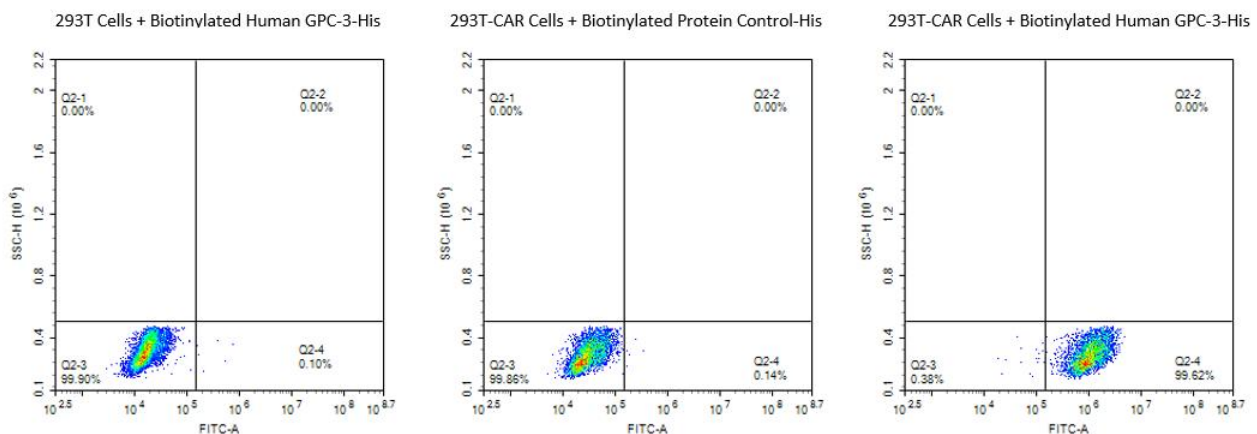
Biotinylated Human GPC3 on Tris-Bis PAGE under reduced condition. The purity is greater than 90%.

ELISA Data



Immobilized Anti-GPC3 Antibody, hFc Tag at 0.5 μ g/ml (100 μ l/well) on the plate. Dose response curve for Biotinylated Human GPC3, His Tag with the EC50 of 10.8ng/ml determined by ELISA.

FACS Data



Use Biotinylated Human GPC3-His protein to detect the expression rate of Anti-GPC3-CAR positive cells. 293T cells and anti-GPC3 CAR-293T cells were incubated with Biotinylated human GPC3-His (25-559) , His Tag and Biotinylated Protein Control-His. Non-transfected 293 cells and Biotinylated Protein Control-His were used as negative control. SA-FITC was used to evaluate the binding activity of Biotinylated Human GPC3.