



Synonym

Glycan 1, GPC1

Source

Human Glycan 1, Fc Tag(GP1-H5254) is expressed from human 293 cells (HEK293). It contains AA Asp 24 - Ser 530 (Accession # [P35052-1](#)).

Predicted N-terminus: Asp 24

Molecular Characterization

Glycan 1(Asp 24 - Ser 530) P35052-1	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 82.5 kDa. The protein migrates as 90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μ g by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μ m filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

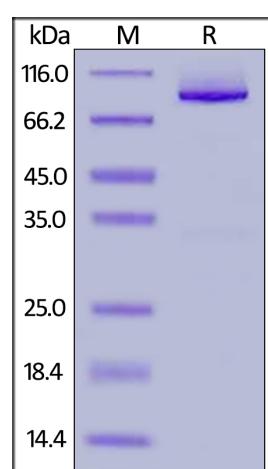
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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.

SDS-PAGE



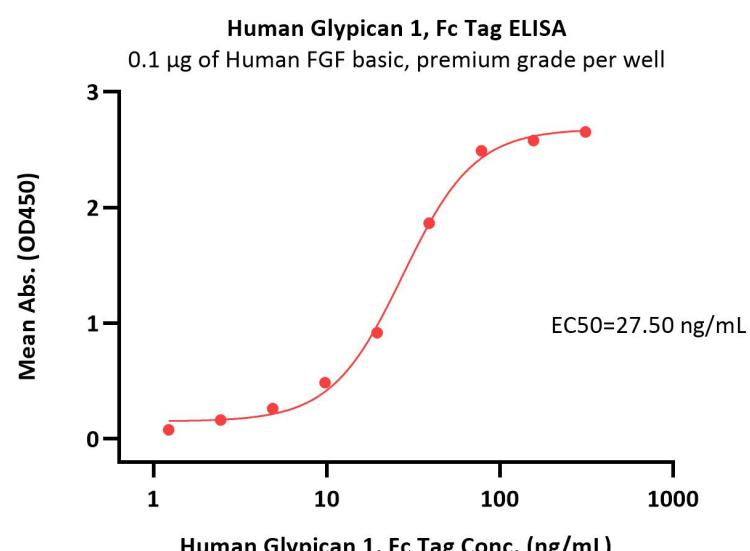
Human Glycan 1, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

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Immobilized Human FGF basic, premium grade (Cat. No. BFF-H4117) at 1 μ g/mL (100 μ L/well) can bind Human Glycan 1, Fc Tag (Cat. No. GP1-H5254) with a linear range of 1-39 ng/mL (QC tested).

Background

Glycan 1 has been shown to interact with SLIT2. This protein is involved in the misfolding of normal prion proteins in the cell membrane to the infectious prion form. Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein core substituted with a variable number of heparan sulfate chains. Members of the glycan-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol linkage. These proteins may play a role in the control of cell division and growth regulation.

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