

# Recombinant Human Glycan 5/GPC5 Protein (His Tag)



Catalog Number:PKSH031890

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

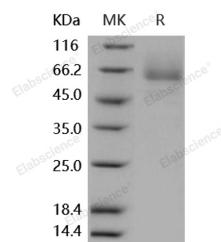
## Description

<b>Synonyms</b>	GPC5;bA93M14.1;glycan proteoglycan 5;glycan-5
<b>Species</b>	Human
<b>Expression Host</b>	Baculovirus-Insect Cells
<b>Sequence</b>	Met 1-Thr 554
<b>Accession</b>	NP_004457.1
<b>Calculated Molecular Weight</b>	60.5 kDa
<b>Observed molecular weight</b>	60.5 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Immobilized human GPC5 at 5 µg/ml (100 µl/well) can bind human bFGF with a linear ranger of 0.156-2. 5 ng/ml.

## Properties

<b>Purity</b>	> 92 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 92 % as determined by reducing SDS-PAGE.

## Background

Glycan-5 (GPC5), is a cell membrane protein which belongs to the glycan family. The glycans compose a family of glycosylphosphatidylinositol-anchored heparan sulfate proteoglycans that may play a role in the control of cell division and growth regulation. So far, six members (Glycan-1/GPC1, Glycan-2/GPC2, Glycan-3/GPC3, Glycan-4/GPC4, Glycan-5/GPC5, Glycan-6/GPC6) of this family are known in vertebrates. In adult, Glycan-5 is primarily expressed in the brain. It is also detected in fetal brain, lung and liver. Glycan-5 enhances the intracellular signaling of FGF2 and HGF. It alters the cellular distribution of FGF2. The properties of Glycan-5 make it an attractive target for therapeutic

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

# Recombinant Human Glypican 5/GPC5 Protein (His Tag)

Catalog Number:PKSH031890



intervention in rhabdomyosarcomas and other tumors that amplify and/or overexpress its gene. Glypican-5 is over-expressed in lymphoma cell lines that had shown amplification. It is a likely target for amplification, and that over-expression of GPC5 may contribute to development and/or progression of lymphomas and other tumors.

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017