

Human Glypican 5/GPC5 (His Tag) recombinant protein



Catalog Number: 502042

General Information

Gene Name Synonym

Secreted glypican-5

Protein Construction

A DNA sequence encoding the human GPC5 (NP_004457.1) (Met 1-Thr 554) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized human GPC5 at 5 µg/ml (100 µl/well) can bind human bFGF with a linear rangel of 0.156-2.5 ng/ml.

Purity

> 92 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Glu 25

Molecular Mass

The secreted recombinant human GPC5 consists of 540 amino acids and predicts a molecular mass of 60.5 kDa as estimated in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

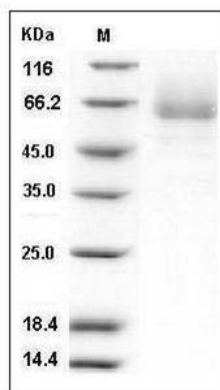
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human Glypican 5 / GPC5 Protein (His Tag) SDS-PAGE