

Active Recombinant Human GPC3 Protein(495S/A), hFc-tagged

Cat. No. GPC3-138H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GPC3 Protein(NP_004475.1, with mutation Ser 495 Ala) (Met1-Ser550) was expressed in HEK293, fused with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Ser550
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized FGF2 Protein, Human at 2 µg/mL (100 µL/well) can bind Glypican 3 Protein, Human, Recombinant (495S/A, hFc Tag), the EC50 of Glypican 3 is 0.75-1.1 µg/mL.
Molecular Mass	The recombinant human GPC3 consists of 764 amino acids and predicts a molecular mass of 86.46 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
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 It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [GPC3 glypican 3 \[Homo sapiens \]](#)

Official Symbol [GPC3](#)

Synonyms GPC3; glypican 3; SDYS; glypican-3; DGSX; glypican proteoglycan 3; OCI 5; SGB; SGBS; SGBS1; secreted glypican-3; intestinal protein OCI-5; heparan sulphate proteoglycan; MXR7; OCI-5; GTR2-2;

Gene ID [2719](#)

mRNA Refseq [NM_001164617](#)

Protein Refseq [NP_001158089](#)

MIM [300037](#)

UniProt ID [P51654](#)

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