

Active Recombinant Human GPC3 Protein (Gln 25 - His 559), Fc-tagged, FITC-Labeled

Cat. No. GPC3-338H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Human GPC3 Protein, Fc-tagged, FITC-Labeled is expressed from human HEK293 cells. It contains AA Gln 25 - His 559 (Accession # P51654). It is the FITC labeled form of Human Glypican 3, Fc Tag. Predicted N-terminus: Gln 25. This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 87.4 kDa. The protein migrates as 43 kDa, 58 kDa and 100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. Conjugate (FITC): Excitation source: 488 nm spectral line, argon-ion laser; Excitation Wavelength: 488 nm; Emission Wavelength: 535 nm. The FITC to protein molar ratio is 3-5.

Species

Human

Source

HEK293

ProteinLength

Gln 25 - His 559

Form

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Bio-activity

Immobilized Anti-Human GPC3 MAb at 10 µg/mL (100 µL/well) can bind Recombinant Human GPC3 Protein, Fc-tagged, FITC-Labeled with a linear range of 0.078-1.25 µg/mL (Ex.488 nm/Em.535 nm) (QC tested).

Molecular Mass

87.4 kDa

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Notes	Please avoid repeated freeze-thaw cycles.
Stability	No activity loss is observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	FITC

GENE INFORMATION

Gene Name	GPC3 glypican 3 [Homo sapiens]
Official Symbol	GPC3
Synonyms	GPC3; glypican 3; SDYS; glypican-3; DGSX; OCI 5; SGB; SGBS; SGBS1; MXR7; OCI-5; GTR2-2;
Gene ID	2719
mRNA Refseq	NM_001164617

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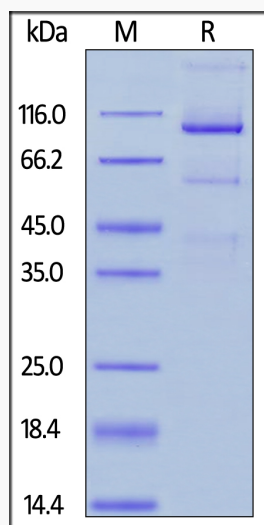
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Protein Refseq NP_001158089

MIM 300037

UniProt ID P51654



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