

Active Recombinant Monkey GPC3 Protein, His-tagged

Cat. No. GPC3-1117C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cynomolgus Glypican 3, His Tag is expressed from human 293 cells (HEK293). It contains AA Gln 25 - Arg 358 & Ser 359 - His 559 (Accession # XP_005594665.1). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Gln 25 & Ser 359
Species	Monkey
Source	HEK293
ProteinLength	25-358 aa & 359-559 aa
Description	Glypican-3 (GPC3) is also known as Intestinal protein OCI-5, GTR2-2, MXR7, which belongs to the glypican family. Glypican 3/GPC-3 is highly expressed in lung, liver and kidney. Glypican-3 inhibits the dipeptidyl peptidase activity of DPP4. Glypican-3 may be involved in the suppression/modulation of growth in the predominantly mesodermal tissues and organs, and also may play a role in the modulation of IGF2 interactions with its receptor and thereby modulate its function.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Cynomolgus Glypican 3, His Tag at 0.5 µg/mL (100 µL/well) can bind Monoclonal Anti-Human GPC3 Antibody, Human IgG1 with a linear range of 0.2-3 ng/mL.
Molecular Mass	The protein has a calculated MW of 38.1 kDa & 24.6 kDa. The protein migrates as

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	30-31 kDa, 38-40 kDa and 65-80 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 0.1 EU/μg by the LAL method/rFC method.
Purity	>85% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please 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 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	GPC3 glypican 3 [<i>Macaca fascicularis</i> (crab-eating macaque)]
Official Symbol	GPC3
Synonyms	GPC3; glypican 3; glypican-3
Gene ID	102137748
mRNA Refseq	XM_005594608
Protein Refseq	XP_005594665

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UniProt ID

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