

Recombinant Cynomolgus GPC3 Protein, Fc-tagged, Alexa Fluor 647 conjugated

Cat. No. GPC3-50CAAF647 Lot. No. (See product label)

SPECIFICATION

Product Overview Alexa Fluor 647 conjugated Recombinant Cynomolgus GPC3 protein (Gln25-His559), fused to human IgG1 Fc tag at C-terminus, was expressed in human 293 cells (HEK293).

Species Cynomolgus

Source HEK293

ProteinLength 535

Description Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol linkage. These proteins may play a role in the control of cell division and growth regulation. The protein encoded by this gene can bind to and inhibit the dipeptidyl peptidase activity of CD26, and it can induce apoptosis in certain cell types. Deletion mutations in this gene are associated with Simpson-Golabi-Behmel syndrome, also known as Simpson dysmorphia syndrome. Alternative splicing results in multiple transcript variants.

Form Lyophilized

Molecular Mass The protein has a calculated MW of 87.5 kDa. The protein migrates as 44 kDa, 60

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	kDa and 100-120 kDa on a SDS-PAGE gel under reducing (R) condition due to naturally cleavage.
Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>90% GPC3 and 2-8% human IgG1 Fc fragment as determined by SDS-PAGE.
Storage	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 centigrade to -70 centigrade for 12 months in lyophilized state;</p> <p>-70 centigrade for 3 months under sterile conditions after reconstitution.</p>
Storage Buffer	Lyophilized from 0.22 um filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
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.
Conjugation	Alexa Fluor 647

GENE INFORMATION

Gene Name	GPC3 glypican 3 [<i>Macaca mulatta</i> (Rhesus monkey)]
Official Symbol	GPC3
Synonyms	GPC3; glypican 3; glypican-3; SGB; DGSX; MXR7; SDYS; SGBS; OCI-5; SGBS1; GTR2-2; glypican-3; glypican proteoglycan 3; heparan sulphate proteoglycan;

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intestinal protein OCI-5; secreted glypican-3

Gene ID www.ncbi.nlm.nih.gov/gene/706773

mRNA Refseq [XM_015128213](#)

Protein Refseq [XP_014983699](#)

UniProt ID [F6TST2](#)

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