

Recombinant Mouse Gpc3 Protein, hFc-tagged, Alexa Fluor 555 conjugated

Cat. No. Gpc3-120MAF555 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 555 conjugated recombinant Mouse Gpc3 protein (Gln25-Met557), fused to human IgG1 Fc tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Mouse
Source	HEK293
ProteinLength	533
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
Molecular Mass	This protein contains a furin-like convertase cleavage site, 354-RQYR-357, and will be partially processed into N and C-terminal fragment with calculated MW of 38.0 kDa and 49.1 kDa respectively. The protein migrates as 40 kDa, 60 kDa and 100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	< 1.0 EU/ µg by the LAL method.

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Purity	> 90 % GPC3 and 2-8 % human IgG1 Fc fragment as determined by SDS-PAGE.
Characteristic	<p>Disulfide-linked homodimer</p> <p>Labeled with Alexa Fluor 555 via amines</p> <p>With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.</p>
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 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 µm 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 555

GENE INFORMATION

Gene Name	Gpc3
Official Symbol	Gpc3
Synonyms	GPC3; glypican 3; glypican-3; OCI-5

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Gene ID	14734
mRNA Refseq	NM_016697
Protein Refseq	NP_057906
UniProt ID	Q8CFZ4

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