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

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

## SPECIFICATION

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| **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** | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 555 via amines<br>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. |
| **Storage** | For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.<br>Please avoid repeated freeze-thaw cycles.<br>This product is stable after storage at:<br>-20 to -70 centigrade for 12 months in lyophilized state;<br>-70 centigrade for 3 months under sterile conditions after reconstitution. |
| **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

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| **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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