

# Active Recombinant Human GPC3 protein, His-tagged, Low Endotoxin

**Cat. No.** GPC3-2551H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GPC3 protein(P51654-1)(Gln25-His559), fused with C-terminal His tag, was expressed in HEK293.                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 25-559 aa                                                                                                                                                                                           |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                                                      |
| <b>Bio-activity</b>     | Immobilized Human GPC3, His Tag at 1 µg/ml (100µl/Well). Dose response curve for Anti-GPC3 Antibody, hFc Tag with the EC50 of 4.3ng/ml determined by ELISA.                                         |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 61.6 kDa. Due to furin-like convertase cleavage site and glycosylation, the protein migrates to 30-31 kDa, 38-42 kDa and 65-80 kDa based on Bis-Tris PAGE result. |
| <b>Endotoxin</b>        | Less than 0.01 EU per µg by the LAL method.                                                                                                                                                         |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC                                                                                                                                   |
| <b>Storage</b>          | Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3                                                                                                                   |

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months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Reconstitution** Dissolve the lyophilized protein in distilled water.

## GENE INFORMATION

**Gene Name** GPC3 glypican 3 [ Homo sapiens ]

**Official Symbol** GPC3

**Synonyms** GPC3; glypican 3; SDYS; glypican-3; DGSX; glypican proteoglycan 3; OCI 5; SGB; SGBS; SGBS1; secreted glypican-3; intestinal protein OCI-5; heparan sulphate proteoglycan; MXR7; OCI-5; GTR2-2;

**Gene ID** 2719

**mRNA Refseq** NM\_001164617

**Protein Refseq** NP\_001158089

**MIM** 300037

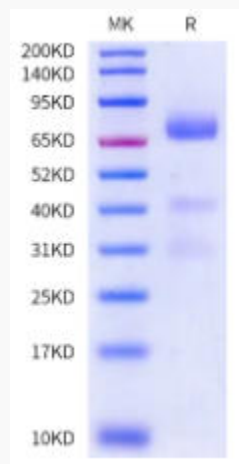
**UniProt ID** P51654

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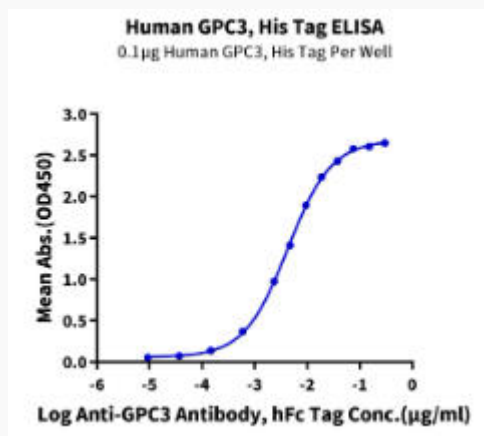
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## Bis-Tris PAGE



## ELISA Data



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