

## PRODUCT INFORMATION

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|---|---|
| <b>Target</b>                           | GPC3  |
| <b>Synonyms</b>                         | OCI-5   |
| <b>Description</b>                      | Recombinant mouse GPC3(510-559) protein with N-terminal human Fc tag  |
| <b>Delivery</b>                         | In Stock  |
| <b>Uniprot ID</b>                       | Q8CFZ4  |
| <b>Expression Host</b>                  | HEK293  |
| <b>Tag</b>                              | N-Human Fc tag  |
| <b>Molecular Characterization</b>       | hFc(Glu99-Ala330) Mouse GPC3(Asp510-Ser559)   |
| <b>Molecular Weight</b>                 | The protein has a predicted molecular mass of 31.6 kDa after removal of the signal peptide. The apparent molecular mass of hFc-mGPC3(510-559) is approximately 25-55 kDa due to glycosylation.  |
| <b>Purity</b>                           | The purity of the protein is greater than 90% as determined by SDS-PAGE and Coomassie blue staining.  |
| <b>Formulation &amp; Reconstitution</b> | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.  |
| <b>Storage&amp;Shipping</b>             | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.   |
| <b>Background</b>                       | Predicted to enable peptidyl-dipeptidase inhibitor activity. Involved in mesenchymal cell proliferation involved in ureteric bud development. Acts upstream of or within several processes, including animal organ development; positive regulation of transport; and regulation of signal transduction. Located in lysosome and plasma membrane. Is anchored component of plasma membrane. Is expressed in several structures, including branchial arch; future brain; lower jaw; reproductive system; and urinary system. Used to study Simpson-Golabi-Behmel syndrome type 1. Human ortholog(s) of this gene implicated in Simpson-Golabi-Behmel syndrome type 1; hepatocellular carcinoma; and nephroblastoma. Orthologous to human GPC3 (glypican 3). [provided by Alliance of Genome Resources, Apr 2022] |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |



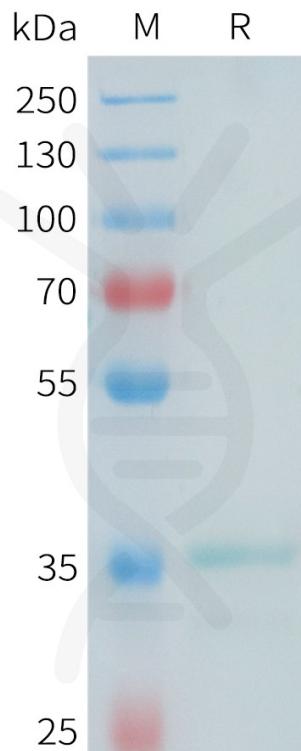


Figure 1. Mouse GPC3(510-559) Protein, hFc Tag on SDS-PAGE under reducing condition.

