

HUMAN GPC1 PROTEIN, HIS TAG

Cat.#: 11751

Product Name: Human GPC1 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: Glypican 1;PC1

Target: GPC1

UNIPROT ID: P35052

Description: Recombinant human GPC1 protein with C-terminal 7xHis tag

Background: 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. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 57.0 kDa after removal of the signal peptide. The apparent molecular mass of GPC1-His is approximately 55–70 kDa due to glycosylation.

Molecular Characterization: GPC1(Asp24–Ser530) 7×His tag

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: 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.

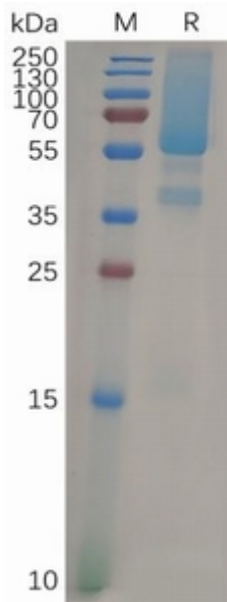


Figure 1. Human GPC1 Protein, His Tag on SDS-PAGE under reducing condition.