

Recombinant Human GPC-3

Source

Species	Human
Accession Number	P51654-1
Gene Symbol	GPC3
Expressed Region	Gln25-Asn554
Synonyms	Glypican-3 (GTR2-2) (Intestinal protein OCI-5) (MXR7) [Cleaved into: Glypican-3 alpha subunit; Glypican-3 beta subunit]

Preparation

Expression System	Human Embryonic Kidney 293 Cells
Tag	C-terminal histidine tag
Purification	His-tag affinity purification by immobilized metal ion affinity chromatography (IMAC)
Purity	>90%
Purity Determined By	SDS-PAGE under reducing conditions and visualized by Coomassie blue staining
Molecular Weight	Recombinant protein product has a calculated molecular mass of 60 kDa. Due to the abundant glycosylation, it migrates as approximately 65-120 kDa smear protein bands (confirmed by western blotting, right side) in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions. See deglycosylation analysis image below.

Protein Specifications

Format	Liquid
Formulation	Supplied as a 0.2 um filtered solution in PBS (pH 7.4)
Concentration	Lot specific (see the label on the vial), determined by Pierce BCA protein assay
Endotoxin Level	0.5 EU per ug of the protein as determined by the LAL method

SDS-PAGE Image

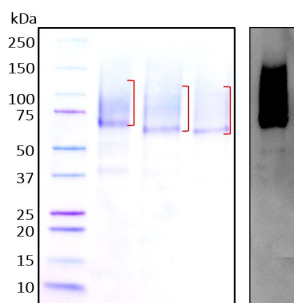


Figure 1. Deglycosylation analysis of purified recombinant proteins. Lane 1, protein ladder (kDa). Lane 2, glycosylated protein (delivered to customers). Lanes 3 and 4, deglycosylated proteins under native and denature conditions respectively.

Shipping

Ice packs

Storage/Stability

Upon arrival, the protein may be stored for 2 weeks at 4°C. For long term storage, it is recommended to store at -20°C or -80°C in appropriate aliquots. Avoid repeated freeze-thaw cycles.

This product is furnished for LABORATORY RESEARCH USE ONLY.

Not for diagnostic or therapeutic use.