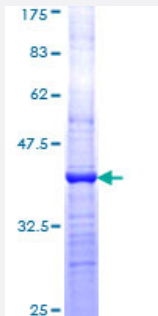


GPC3 (Human) Recombinant Protein (Q01)

Catalog # H00002719-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GPC3 partial ORF (NP_004475, 301 a.a. - 400 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LSLEELVNGMYRYDMENVLLGLFSTIHDSIQYVQKNAGKLTTTIGKLCAHSQQRQYRSAYYPEDLFI DKKVLKVAHVEHEETLSSRRRELIQKLKSFIS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (97); Rat (98)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GPC3

Entrez GeneID [2719](#)

GeneBank Accession# [NM_004484](#)

Protein Accession# [NP_004475](#)

Gene Name GPC3

Gene Alias DGSX, OCI-5, SDYS, SGB, SGBS, SGBS1

Gene Description glypican 3

Omim ID [194070](#) [300037](#) [312870](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. The protein encoded by this gene can bind to and inhibit the dipeptidyl peptidase activity of CD26, and it can induce apoptosis in certain cell types. Deletion mutations in this gene are associated with Simpson-Golabi-Behmel syndrome, also known as Simpson dysmorphism syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations OTTHUMP00000024058|OTTHUMP00000062492|glypican proteoglycan 3