Recombinant GPC6 protein (His tag)

Catalog Number	539328
Species	Human
Expression System	E. coli
Accession	Q9Y625
Molecular Weight	Predictes a molecular mass of 39.09 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 40 kDa band.

Product Information

Sequence Region	24-348
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 24-348 aa (Q9Y625) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Glypican-6 (GPC6) Fragment (aa 24-348) is a highly stable and soluble human protein fragment designed for structural and biochemical studies. This product enables researchers to investigate the role of Glypican-6 in cell migration, invasion, and WNT5A signaling pathways with a reliable and functional protein unit. Glypican-6 is a heparan sulfate-bearing cell surface proteoglycan that functions as a putative coreceptor for growth factors, extracellular matrix proteins, proteases, and anti-proteases. It plays a significant role in enhancing cancer cell migration and invasion through WNT5A signaling. The full-length protein is localized to the cell membrane via a GPI-anchor on the extracellular side, and a cleaved form, secreted glypican-6, is found in the extracellular space. This recombinant fragment represents a stable, soluble region ideal for exploring Glypican-6's molecular interactions and mechanisms in cellular processes.