Recombinant GIPC2 protein (His tag)

Catalog Number	545545
Species	Human
Expression System	E. coli
Accession	Q8TF65
Molecular Weight	Predictes a molecular mass of 32.03 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 36 kDa band.

Product Information

Sequence Region	41-315
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 41-315 aa (Q8TF65) 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 Human PDZ domain-containing protein GIPC2 (41-315) is a high-purity protein fragment specifically engineered to encompass the complete PDZ functional domain (residues 117-197). This targeted construct provides researchers with an ideal tool for investigating PDZ domain-mediated protein interactions and signaling pathways in human cellular systems. The full-length PDZ domain-containing protein GIPC2 is localized to the cytoplasm, as indicated by its subcellular location annotation. PDZ domains are critical protein interaction modules that typically recognize specific C-terminal peptide motifs, facilitating the assembly of multi-protein complexes involved in various cellular processes including signal transduction, protein trafficking, and cellular organization. While specific functional details for GIPC2 are not fully characterized in the provided data, proteins containing PDZ domains generally play essential roles in organizing signaling complexes at specific subcellular locations, making this recombinant fragment valuable for studying domain-specific interactions and functions.