Recombinant PLCX3 protein (His tag)

Catalog Number	550641
Species	Human
Expression System	E. coli
Accession	Q63HM9
Molecular Weight	Predictes a molecular mass of 37.97 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 38 kDa band.

Product Information

Sequence Region	1-321
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 1-321 aa (Q63HM9) 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 PI-PLC X domain-containing protein 3 (PLCXD3) fragment (residues 1-321), encompassing the complete PI-PLC X-box domain. This high-purity protein is an essential tool for investigating domain-specific functions in cellular signaling and lipid metabolism. The full-length PI-PLC X domain-containing protein 3 (PLCXD3) is localized in the cytoplasm, as supported by experimental evidence. While a detailed functional summary is not available, proteins containing PI-PLC X domains are typically involved in phosphoinositide signaling pathways, which regulate key cellular processes such as membrane trafficking, cytoskeletal organization, and signal transduction. This recombinant fragment enables focused studies on the structural and functional properties of the PI-PLC X-box domain within its native cytoplasmic context.