Recombinant TPC13 protein (His tag)

Catalog Number	549690
Species	Human
Expression System	E. coli
Accession	A5PLN9
Molecular Weight	Predictes a molecular mass of 48.18 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 48 kDa band.

Product Information

Sequence Region	1-417
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 1-417 aa (A5PLN9) 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 Trafficking protein particle complex subunit 13 (TRAPPC13) fragment (residues 1-417) from Homo sapiens. This high-quality protein fragment is designed for stability and solubility, making it ideal for structural biology studies, biochemical assays, and functional investigations into vesicular trafficking mechanisms. Trafficking protein particle complex subunit 13 (TRAPPC13) is a component of the TRAPP complex, which plays a critical role in intracellular vesicle transport and membrane trafficking pathways. As part of this multi-subunit complex, TRAPPC13 contributes to the regulation of endoplasmic reticulum-to-Golgi transport and other key cellular trafficking events. The provided fragment (residues 1-417) represents a computationally optimized region selected for enhanced stability and solubility, facilitating experimental applications where full-length protein expression may be challenging.