Recombinant TPC3L protein (His tag)

Catalog Number	549228
Synonyms	TRAPPC3-like protein; BET3-like protein
Species	Human
Expression System	E. coli
Accession	Q5T215
Molecular Weight	Predictes a molecular mass of 22.22 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 23 kDa band.

Product Information

Sequence Region	1-181
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 1-181 aa (Q5T215) 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 TRAPPC3L Protein (Fragment 1-181) - A highly pure, stable fragment of the Trafficking Protein Particle Complex Subunit 3-like protein, specifically designed for structural and functional studies of endoplasmic reticulum to Golgi vesicular transport mechanisms. The full-length TRAPPC3L protein, also known as BET3-like protein, plays a crucial role in intracellular vesicular transport from the endoplasmic reticulum to the Golgi apparatus. This protein is localized to both the cis-Golgi network and endoplasmic reticulum, where it functions as part of the trafficking protein particle complex to facilitate proper protein sorting and transport within the secretory pathway. The selected fragment (amino acids 1-181) represents a stable, soluble domain computationally optimized for experimental applications, providing researchers with a reliable tool for investigating the molecular mechanisms of intracellular trafficking and membrane transport processes.