Recombinant TPC13 protein (His tag)

Catalog Number	536770
Species	Drosophila melanogaster
Expression System	E. coli
Accession	Q95TN1
Gene ID	34373
Molecular Weight	Predictes a molecular mass of 46.55 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 47 kDa band.

Product Information

Sequence Region	1-405
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 1-405 aa (Q95TN1) 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	This product is a high-quality recombinant protein fragment of Probable trafficking protein particle complex subunit 13 homolog from Drosophila melanogaster. The fragment (residues 1-405) was computationally selected for its stability and solubility, making it ideal for structural studies and biochemical assays. The full-length Probable trafficking protein particle complex subunit 13 homolog is involved in intracellular trafficking processes, though specific functional details and subcellular localization are not fully characterized. As a component of the trafficking protein particle (TRAPP) complex, it is implicated in vesicle-mediated transport and membrane dynamics, contributing to essential cellular functions. Research on this protein can provide insights into conserved mechanisms of vesicular trafficking in eukaryotic systems.