Recombinant TPPC5 protein (His tag)

Catalog Number	549010
Species	Human
Expression System	E. coli
Accession	Q8IUR0
Molecular Weight	Predictes a molecular mass of 22.44 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	1-188
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 1-188 aa (Q8IUR0) 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 recombinant fragment of the human Trafficking protein particle complex subunit 5 (TRAPPC5), encompassing amino acids 1-188. It is designed for researchers studying vesicular transport mechanisms, offering a stable and soluble unit ideal for structural and biochemical applications. The full-length Trafficking protein particle complex subunit 5 (TRAPPC5) is encoded by the TRAPPC5 gene in humans and plays a role in vesicular transport from the endoplasmic reticulum to the Golgi apparatus. It localizes to the Golgi apparatus, specifically the cis-Golgi network, and the endoplasmic reticulum, indicating its involvement in early secretory pathway trafficking. This function is critical for intracellular protein sorting and membrane dynamics, making it a protein of interest in cell biology and disease research.