Recombinant TPC6A protein (His tag)

Catalog Number	541874
Synonyms	TRAPP complex subunit 6A
Species	Human
Expression System	E. coli
Accession	O75865
Molecular Weight	Predictes a molecular mass of 19.26 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	1-159
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 1-159 aa (O75865) 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	Introducing the recombinant Trafficking Protein Particle Complex Subunit 6A (TRAPPC6A) fragment (amino acids 1-159), a highly stable and soluble protein unit derived from Homo sapiens. This fragment is ideal for investigating vesicular transport mechanisms and melanosome biogenesis, offering researchers a reliable tool for structural and biochemical studies. The full-length Trafficking Protein Particle Complex Subunit 6A (TRAPPC6A) plays a critical role in vesicular transport, particularly during the biogenesis of melanosomes, which are essential for pigmentation. It is localized to key cellular compartments, including the Golgi apparatus, cis-Golgi network, and endoplasmic reticulum, highlighting its involvement in intracellular trafficking pathways. This protein's function, as supported by UniProtKB data, underscores its significance in cellular processes related to organelle development and membrane dynamics.