Recombinant TPC2A protein (His tag)

Catalog Number	537488
Synonyms	Sedlin
Species	Human
Expression System	E. coli
Accession	P0DI81
Molecular Weight	Predictes a molecular mass of 18.10 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band.

Product Information

Sequence Region	1-140
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 1-140 aa (P0DI81) 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 2 (Sedlin), corresponding to amino acids 1-140 of the human TRAPPC2 gene, is a stable and soluble fragment designed for structural and biochemical studies. This product supports research into vesicular transport mechanisms and transcriptional regulation. The full-length Trafficking Protein Particle Complex Subunit 2 (Sedlin) plays a critical role in intracellular transport, particularly in vesicular trafficking from the endoplasmic reticulum to the Golgi apparatus. It also functions to prevent transcriptional repression and cell death induction by ENO1. Subcellular localization studies indicate its presence in the cytoplasm (especially the perinuclear region), endoplasmic reticulum-Golgi intermediate compartment, and nucleus, often observed in granular structures, underscoring its involvement in multiple cellular processes.