Recombinant TTC41 protein (His tag)

Catalog Number	551849
Synonyms	TPR repeat protein 41; Grp94-neighboring nucleotidase
Species	Human
Expression System	E. coli
Accession	Q6P2S7
Molecular Weight	Predictes a molecular mass of 37.01 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 38 kDa band.

Product Information

Sequence Region	1-302
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 1-302 aa (Q6P2S7) 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 human Putative Tetratricopeptide Repeat Protein 41 (TPR repeat protein 41), encompassing amino acids 1-302. The fragment has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies, biochemical characterization, and functional assays. The full-length Putative Tetratricopeptide Repeat Protein 41, encoded by the gene TTC41P, is a cytoplasmic protein in humans. Proteins containing tetratricopeptide repeat (TPR) domains are typically involved in multi-protein complex assembly, molecular chaperone activity, and various cellular regulatory processes. While a specific molecular function summary is not provided for this isoform, its cytoplasmic localization suggests potential roles in intracellular signaling, protein-protein interactions, or metabolic regulation within this cellular compartment. The recombinant fragment offered here represents a strategically selected soluble unit to facilitate experimental investigation of this protein's properties.