Recombinant TTC32 protein (His tag)

Catalog Number	551144
Synonyms	TPR repeat protein 32
Species	Human
Expression System	E. coli
Accession	Q5I0X7
Molecular Weight	Predictes a molecular mass of 18.95 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	1-151
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 1-151 aa (Q5I0X7) 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 Human Tetratricopeptide repeat protein 32 (TPR repeat protein 32), corresponding to amino acids 1-151, is a high-purity fragment designed for structural and biochemical studies. This fragment represents a stable, soluble domain of TTC32, ideal for investigating protein-protein interactions and molecular mechanisms. Tetratricopeptide repeat protein 32, encoded by the TTC32 gene in Homo sapiens, is characterized by its TPR repeat motifs, which are known to mediate protein-protein interactions in various cellular processes. While specific functional details and subcellular localization are not fully elucidated, TPR-containing proteins typically play roles in complex assembly, signaling, and regulatory pathways. The provided fragment (residues 1-151) encompasses a predicted stable domain, facilitating experimental analysis of its structural and interaction properties.