Recombinant TT39A protein (His tag)

Catalog Number	550372
Synonyms	TPR repeat protein 39A; Differentially expressed in MCF-7 with estradiol protein 6; DEME-6
Species	Human
Expression System	E. coli
Accession	Q5SRH9
Molecular Weight	Predictes a molecular mass of 51.38 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 51 kDa band.

Product Information

Sequence Region	181-613
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 181-613 aa (Q5SRH9) 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 39A (TPR repeat protein 39A) fragment (residues 181-613) is a high-quality protein preparation ideal for structural biology and biochemical studies. This 433-amino acid fragment was computationally selected to provide optimal stability and solubility while maintaining key structural features of the full-length protein. Tetratricopeptide repeat protein 39A, also known as DEME-6 (Differentially expressed in MCF-7 with estradiol protein 6), is encoded by the TTC39A gene in humans. While specific functional details and subcellular localization information are not fully characterized in the provided data, proteins containing tetratricopeptide repeats typically function as scaffold proteins involved in multi-protein complex assembly, protein-protein interactions, and various cellular processes. The TPR domain-containing proteins are known to participate in diverse biological pathways including cell cycle regulation, transcription, and protein transport.