Recombinant TULP4 protein (His tag)

Catalog Number	543723
Synonyms	Tubby superfamily protein; Tubby-like protein 4
Species	Human
Expression System	E. coli
Accession	Q9NRJ4
Molecular Weight	Predictes a molecular mass of 27.90 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 28 kDa band.

Product Information

Sequence Region	255-489
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 255-489 aa (Q9NRJ4) 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 TULP4 Fragment (255-489) is a high-purity protein designed for studying the SOCS box domain of Tubby-related protein 4. This fragment serves as an essential tool for investigating ubiquitin ligase complex interactions and targeted protein degradation mechanisms in cellular regulation. Tubby-related protein 4 (TULP4) functions as a potential substrate-recognition component within SCF-like ECS E3 ubiquitin ligase complexes, facilitating ubiquitination and proteasomal degradation of specific target proteins—a crucial process in maintaining cellular homeostasis. Located in the cytoplasm, this protein plays a regulatory role in protein turnover pathways. The provided fragment encompasses the SOCS box domain, enabling focused research on its involvement in E3 ubiquitin ligase assembly and substrate recognition.