Recombinant TLDC2 protein (His tag)

Catalog Number	551309
Synonyms	TBC/LysM-associated domain-containing protein 2
Species	Human
Expression System	E. coli
Accession	A0PJX2
Molecular Weight	Predictes a molecular mass of 20.53 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 21 kDa band.

Product Information

Sequence Region	46-215
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 46-215 aa (A0PJX2) 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	Our recombinant TLDC2 protein fragment (amino acids 46-215) provides researchers with a high-quality tool specifically designed to study the functional TLDc domain. This 170-amino acid fragment, derived from human TLD domain-containing protein 2, offers a focused approach to investigating domain-specific interactions and mechanisms in cellular processes. TLD domain-containing protein 2 (also known as TBC/LysM-associated domain-containing protein 2), encoded by the TLDC2 gene in Homo sapiens, is a protein of significant research interest. While specific functional details and subcellular localization data are still being characterized, proteins containing TLDc domains are generally involved in important cellular regulatory pathways. The TLDc domain itself is evolutionarily conserved and associated with oxidative stress response and neuroprotective functions in various organisms. This recombinant fragment, encompassing the complete TLDc domain (amino acids 54-215), enables targeted investigation of this critical functional region without interference from other protein segments, making it particularly valuable for structural studies, binding assays, and functional characterization of domain-specific activities.