Recombinant TLE7 protein (His tag)

Catalog Number	551458
Species	Human
Expression System	E. coli
Accession	A0A1W2PR48
Molecular Weight	Predictes a molecular mass of 35.02 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 35 kDa band.

Product Information

Sequence Region	144-441
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 144-441 aa (A0A1W2PR48) 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 Transducin-like enhancer protein 7 (TLE7, residues 144-441). This 298-amino acid fragment was computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies, biochemical characterization, and functional assays. Transducin-like enhancer protein 7 (TLE7) is encoded by the TLE7 gene in Homo sapiens. As specific functional data and subcellular localization information for the full-length protein were not provided in the source material, researchers are encouraged to consult the primary literature (UniProt ID: A0A1W2PR48) for detailed biological context. The provided recombinant fragment represents a stable, soluble unit selected specifically to facilitate experimental investigation into this protein's properties.