Recombinant ANKUB protein (His tag)

Catalog Number	551317
Synonyms	Ankyrin repeat and ubiquitin domain-containing 1
Species	Human
Expression System	E. coli
Accession	A6NFN9
Molecular Weight	Predictes a molecular mass of 43.01 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 43 kDa band.

Product Information

Sequence Region	1-364
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 1-364 aa (A6NFN9) 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 ANKUB1 (Ankyrin repeat and ubiquitin domain-containing 1), encompassing residues 1-364. This fragment has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies, biochemical characterization, and functional assays. The full-length ANKUB1 protein (UniProt ID: A6NFN9) is encoded by the ANKUB1 gene in Homo sapiens. While specific functional data and subcellular localization details for the full-length protein are not provided in the available summary, proteins containing ankyrin repeat and ubiquitin domains are often involved in critical cellular processes such as protein-protein interactions, signal transduction, and ubiquitin-mediated pathways. The provided fragment (residues 1-364) represents a stable, soluble unit selected through structural prediction to facilitate experimental investigation into the protein's properties and potential roles.