Recombinant ANKAR protein (His tag)

Catalog Number	550426
Species	Human
Expression System	E. coli
Accession	Q7Z5J8
Molecular Weight	Predictes a molecular mass of 37.64 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 40 kDa band.

Product Information

Sequence Region	1-308
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 1-308 aa (Q7Z5J8) 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 ANKAR (Ankyrin and armadillo repeat-containing protein) fragment (residues 1-308) is a high-purity, soluble protein designed for structural and biochemical studies. This 308-amino acid fragment was computationally selected to provide a stable, functional unit ideal for investigating protein-protein interactions and domain architecture. The full-length Ankyrin and armadillo repeat-containing protein (ANKAR) is encoded by the ANKAR gene in humans and is localized to the membrane as a single-pass membrane protein. While specific functional details are not fully characterized, proteins containing ankyrin and armadillo repeats typically function in protein-protein interactions, cellular signaling, and structural organization. The membrane association suggests potential roles in cell adhesion, receptor function, or intracellular trafficking pathways.