Recombinant KANK4 protein (His tag)

Catalog Number	538208
Synonyms	Ankyrin repeat domain-containing protein 38
Species	Human
Expression System	E. coli
Accession	Q5T7N3
Molecular Weight	Predictes a molecular mass of 28.72 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 29 kDa band.

Product Information

Sequence Region	746-995
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 746-995 aa (Q5T7N3) 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 KANK4 (KN motif and ankyrin repeat domain-containing protein 4) fragment (residues 746-995) is a high-quality protein product designed for structural and biochemical studies. This 250-amino acid fragment, derived from the human protein, represents a stable and soluble unit ideal for investigating cytoskeletal regulation mechanisms. The full-length KANK4 protein, also known as Ankyrin repeat domain-containing protein 38, plays a role in cytoskeleton formation by regulating actin polymerization. Located primarily in the cytoplasm, this protein contributes to fundamental cellular architecture and dynamics, making it significant for research in cell biology, motility, and structural organization.