Recombinant KANK3 protein (His tag)

Catalog Number	548986
Synonyms	Ankyrin repeat domain-containing protein 47
Species	Human
Expression System	E. coli
Accession	Q6NY19
Molecular Weight	Predictes a molecular mass of 27.21 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 27 kDa band.

Product Information

Sequence Region	548-788
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 548-788 aa (Q6NY19) 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 KANK3 protein fragment (548-788) from Homo sapiens, representing a stable and soluble unit of KN motif and ankyrin repeat domain-containing protein 3. This fragment is ideal for structural and biochemical studies aimed at understanding its role in cytoskeleton formation and actin polymerization regulation. The full-length KN motif and ankyrin repeat domain-containing protein 3 (also known as Ankyrin repeat domain-containing protein 47), encoded by the KANK3 gene in humans, is implicated in the control of cytoskeleton formation by regulating actin polymerization. This function is critical for cellular processes such as cell shape maintenance, motility, and division, making it a significant target for research in cell biology and cytoskeletal dynamics. The recombinant fragment (548-788) was selected computationally to provide a stable and soluble representation for experimental applications.