Recombinant KHNYN protein (His tag)

Catalog Number	550328
Synonyms	KH and NYN domain-containing protein
Species	Human
Expression System	E. coli
Accession	O15037
Molecular Weight	Predictes a molecular mass of 22.89 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 23 kDa band.

Product Information

Sequence Region	411-595
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 411-595 aa (O15037) 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 KHNYN Protein Fragment (residues 411-595) is a high-purity, functional domain-specific reagent designed for in-depth study of the RNase NYN domain. This 185-amino acid fragment provides researchers with a targeted tool to investigate the domain's catalytic activity and biological roles in RNA metabolism and cellular processes. The full-length KHNYN protein (UniProt O15037) is a human protein containing both KH (K homology) and NYN (N4BP1, YacP-like nuclease) domains. While specific functional details and subcellular localization data are not fully characterized in the provided information, proteins containing NYN domains are typically involved in ribonuclease activities and may participate in RNA processing or degradation pathways. This recombinant fragment encompassing the RNase NYN domain (residues 437-589) enables focused investigation of this specific functional module within the broader context of nucleic acid metabolism research.