Recombinant ZCH18 protein (His tag)

Catalog Number	540643
Synonyms	Nuclear protein NHN1
Species	Human
Expression System	E. coli
Accession	Q86VM9
Molecular Weight	Predictes a molecular mass of 12.66 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	403-482
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 403-482 aa (Q86VM9) 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 Zinc finger CCCH domain-containing protein 18 (ZC3H18) fragment (residues 403-482) is a stable, soluble protein unit designed for structural and biochemical studies. This 80-amino acid fragment, derived from the nuclear protein NHN1, offers researchers a reliable tool to investigate protein interactions and molecular mechanisms in a controlled experimental setting. Zinc finger CCCH domain-containing protein 18, encoded by the ZC3H18 gene, is a nuclear protein in humans, as indicated by its subcellular localization. While specific functional details are not fully characterized, its nuclear presence suggests potential roles in gene regulation, nucleic acid binding, or other nuclear processes. The selected fragment (403-482) was computationally optimized for stability and solubility, enabling focused studies on this region's properties without the complexities of the full-length protein.