Recombinant RN214 protein (His tag)

Catalog Number	551420
Species	Human
Expression System	E. coli
Accession	Q8ND24
Molecular Weight	Predictes a molecular mass of 28.49 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 33 kDa band.

Product Information

Sequence Region	220-443
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 220-443 aa (Q8ND24) 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	This product is a high-quality recombinant protein fragment of human RING finger protein 214 (RNF214), corresponding to amino acids 220-443. The 224-amino acid fragment has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies and in vitro biochemical characterization. RING finger protein 214, encoded by the RNF214 gene (UniProt ID: Q8ND24), is a human protein whose specific molecular function and subcellular localization are areas of active research. As a RING finger domain-containing protein, it is postulated to play a role in ubiquitin-mediated signaling pathways, which are fundamental to numerous cellular processes including protein degradation, DNA repair, and cell cycle regulation. The study of this protein fragment provides a valuable tool for elucidating the structure-function relationships of RNF214 and its potential role in cellular homeostasis and disease.