Recombinant RN175 protein (His tag)

Catalog Number	550700
Species	Human
Expression System	E. coli
Accession	Q8N4F7
Molecular Weight	Predictes a molecular mass of 16.41 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	201-328
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 201-328 aa (Q8N4F7) 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 RING finger protein 175 (RNF175) fragment (amino acids 201-328) is a high-quality, soluble protein preparation ideal for structural biology studies and biochemical characterization. This 128-amino acid fragment was computationally selected for optimal stability and solubility, providing researchers with a reliable tool for investigating this multi-pass membrane protein. RING finger protein 175, encoded by the RNF175 gene, is a multi-pass membrane protein localized to cellular membranes in human cells. As a member of the RING finger protein family, it is implicated in various cellular processes typically involving ubiquitin ligase activity, though specific functional details for this particular protein require further investigation. The membrane-associated nature of the full-length protein underscores its potential role in membrane-related cellular functions and signaling pathways.