Recombinant RNF44 protein (His tag)

Catalog Number	549000
Species	Human
Expression System	E. coli
Accession	Q7L0R7
Molecular Weight	Predictes a molecular mass of 12.90 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	335-432
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 335-432 aa (Q7L0R7) 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 RING finger protein 44 (RNF44) fragment (residues 335-432) is a high-purity, soluble protein designed for structural biology and biochemical studies. This 98-amino acid fragment was computationally optimized for stability and solubility, enabling reliable investigation of protein interactions and functional mechanisms. RING finger protein 44, encoded by the RNF44 gene in Homo sapiens, is a ubiquitin ligase implicated in ubiquitination pathways. While specific functional and subcellular localization details are not fully characterized, RING finger proteins typically regulate protein degradation, signaling, and cellular homeostasis through E3 ubiquitin ligase activity. This fragment provides a focused tool for exploring RNF44's biochemical properties and structural features in controlled experimental settings.