Recombinant RNF24 protein (His tag)

Catalog Number	539260
Species	Human
Expression System	E. coli
Accession	Q9Y225
Molecular Weight	Predictes a molecular mass of 13.78 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	45-148
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 45-148 aa (Q9Y225) 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 24 (RNF24) fragment (amino acids 45-148) from Homo sapiens, designed for structural and biochemical studies. This 104-amino acid fragment represents a stable, soluble unit of the protein, ideal for investigating its role in intracellular trafficking mechanisms. RING finger protein 24 (RNF24), encoded by the RNF24 gene in humans, is implicated in the intracellular trafficking of TRPC (transient receptor potential canonical) channels, as supported by experimental evidence (PubMed:17850865). The full-length protein localizes to the Golgi apparatus membrane and is characterized as a single-pass membrane protein, suggesting its involvement in membrane-associated regulatory processes. This recombinant fragment provides a focused tool for exploring RNF24's functional domains without the complexities of membrane association.