Recombinant RN223 protein (His tag)

Catalog Number	551933
Species	Human
Expression System	E. coli
Accession	E7ERA6
Molecular Weight	Predictes a molecular mass of 18.17 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band.

Product Information

Sequence Region	48-198
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 48-198 aa (E7ERA6) 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 223 (RNF223), encompassing amino acids 48-198. This 151-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 223 (RNF223), encoded by the gene RNF223, is a human protein localized to the membrane and annotated as a single-pass membrane protein. While a detailed functional summary is not currently available, its classification as a RING finger protein suggests a potential role in ubiquitin ligase activity, which is central to processes such as protein degradation, signal transduction, and cellular homeostasis. Membrane association further implies possible involvement in receptor regulation or signaling at the cell surface. The provided fragment offers a tractable module for investigating the properties and interactions of this protein.