Recombinant RNS13 protein (His tag)

Catalog Number	551526
Species	Human
Expression System	E. coli
Accession	Q5GAN3
Molecular Weight	Predictes a molecular mass of 17.36 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	21-156
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 21-156 aa (Q5GAN3) 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 Probable Inactive Ribonuclease-like Protein 13 (RNASE13), Fragment (21-156). This 136-amino acid fragment represents a stable, soluble unit of the protein, expertly designed for structural studies and biochemical characterization. The full-length protein, encoded by the RNASE13 gene in Homo sapiens, is annotated as a probable inactive ribonuclease-like protein. According to current evidence, it does not exhibit any ribonuclease activity. The protein is secreted, indicating a potential extracellular role. This recombinant fragment (21-156) was computationally selected to encompass a predicted stable domain, providing a valuable tool for investigating the structure and potential non-catalytic functions of this enigmatic protein family.