Recombinant RNS12 protein (His tag)

Catalog Number	551382
Species	Human
Expression System	E. coli
Accession	Q5GAN4
Molecular Weight	Predictes a molecular mass of 16.40 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	21-147
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 21-147 aa (Q5GAN4) 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 Probable inactive ribonuclease-like protein 12 (RNASE12), encompassing residues 21-147. This 127-amino acid fragment has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural studies, biochemical characterization, and functional assays. The full-length Probable inactive ribonuclease-like protein 12 (UniProt ID: Q5GAN4) is a human protein that, as its name indicates, does not exhibit ribonuclease activity. According to current annotations, it is a secreted protein. This secreted localization suggests potential roles in extracellular signaling or modulation, though its precise biological function remains an area of investigation. The provided fragment represents a key soluble domain, enabling researchers to probe the protein's structure and interactions without the complications of full-length expression.