Recombinant RN3P2 protein (His tag)

Catalog Number	551783
Synonyms	RNA polymerase I transcription factor homolog pseudogene 2
Species	Human
Expression System	E. coli
Accession	A6NIE6
Molecular Weight	Predictes a molecular mass of 18.19 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band.

Product Information

Sequence Region	194-340
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 194-340 aa (A6NIE6) 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 the human Putative RRN3-like protein RRN3P2 (residues 194-340). The 147-amino acid fragment was computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies, biochemical characterization, and functional assays targeting this RNA polymerase I transcription factor homolog pseudogene. The full-length Putative RRN3-like protein RRN3P2 (UniProt ID: A6NIE6) is encoded by the RRN3P2 gene in Homo sapiens. As a homolog of the RRN3 transcription factor, it is implicated in the regulation of RNA polymerase I-mediated ribosomal RNA transcription, a fundamental process in cellular growth and proliferation. Specific functional and subcellular localization data for this particular protein are areas of active research. This recombinant fragment provides a valuable tool for researchers to investigate its potential biochemical properties and interactions, contributing to the broader understanding of transcriptional regulation and pseudogene function.