Recombinant ROA0 protein (His tag)

Catalog Number	544901
Synonyms	hnRNP A0
Species	Human
Expression System	E. coli
Accession	Q13151
Molecular Weight	Predictes a molecular mass of 20.84 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 21 kDa band.

Product Information

Sequence Region	1-177
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 1-177 aa (Q13151) 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 Heterogeneous nuclear ribonucleoprotein A0 (hnRNP A0) fragment (residues 1-177) is a high-purity protein designed for studying mRNA-binding functions. This fragment fully encompasses the RRM 1 and RRM 2 domains, making it an ideal tool for investigating post-transcriptional regulation mechanisms. Heterogeneous nuclear ribonucleoprotein A0 (hnRNP A0), encoded by the HNRNPA0 gene, is an mRNA-binding component of ribonucleosomes that specifically binds AU-rich element (ARE)-containing mRNAs. It plays a critical role in post-transcriptional regulation of cytokine mRNAs, contributing to important cellular signaling processes. The protein is primarily localized to the nucleus where it functions as a component of ribonucleosomes, highlighting its significance in nuclear RNA processing and regulation.