Recombinant RL7L protein (His tag)

Catalog Number	550389
Synonyms	60S ribosomal protein L7-like 1; Large ribosomal subunit protein uL30-like 1
Species	Human
Expression System	E. coli
Accession	Q6DKI1
Molecular Weight	Predictes a molecular mass of 31.33 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 31 kDa band.

Product Information

Sequence Region	1-255
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 1-255 aa (Q6DKI1) 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 Ribosomal protein uL30-like (RPL7L1) fragment (residues 1-255) is a high-purity protein designed for structural and biochemical studies. This fragment was computationally optimized for stability and solubility, making it an ideal tool for investigating ribosomal protein function and architecture. The full-length Ribosomal protein uL30-like (encoded by the RPL7L1 gene) is a component of the large ribosomal subunit in humans. Ribosomal proteins are essential for protein synthesis, playing critical roles in ribosome assembly, stability, and translational fidelity. While specific functional details and subcellular localization for this particular protein are not fully characterized in the provided data, ribosomal proteins generally function within the cytoplasm and nucleolus, contributing to fundamental cellular processes. This recombinant fragment provides a valuable resource for exploring the structural and functional properties of this ribosomal protein family.