Recombinant RL32 protein (His tag)

Catalog Number	540110
Synonyms	60S ribosomal protein L32
Species	Human
Expression System	E. coli
Accession	P62910
Molecular Weight	Predictes a molecular mass of 17.38 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	2-135
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 2-135 aa (P62910) 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 Large Ribosomal Subunit Protein eL32 (RPL32) Fragment (aa 2-135) is a high-quality, stable, and soluble protein designed for structural and biochemical studies. This 134-amino acid fragment retains key functional regions, making it an ideal tool for investigating ribosomal assembly and protein synthesis mechanisms. The full-length Large Ribosomal Subunit Protein eL32, encoded by the RPL32 gene, is an essential component of the 60S ribosomal subunit. As part of the ribosome—a large ribonucleoprotein complex—it plays a critical role in protein synthesis within the cell, facilitating the translation of mRNA into functional proteins. Located in the cytoplasm, this protein contributes to ribosomal stability and function, supporting cellular growth and maintenance. The provided fragment (aa 2-135) encompasses the entire structured domain, offering researchers a representative and experimentally tractable unit for detailed mechanistic and structural analyses.