Recombinant RL30 protein (His tag)

Catalog Number	547138
Synonyms	60S ribosomal protein L30
Species	Human
Expression System	E. coli
Accession	P62888
Molecular Weight	Predictes a molecular mass of 14.44 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	1-115
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 1-115 aa (P62888) 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 eL30 (RPL30) Fragment (1-115) - A high-quality, stable protein fragment ideal for structural biology and functional studies of ribosomal assembly and protein synthesis mechanisms. The full-length Large Ribosomal Subunit Protein eL30 (also known as 60S Ribosomal Protein L30) is an essential component of the large ribosomal subunit, which forms part of the ribosome - the complex molecular machinery responsible for protein synthesis in cells. As indicated by research citations (PubMed:23636399, PubMed:32669547), this protein plays a critical role in the ribosome's function of translating genetic information into functional proteins. The protein is localized in the cytoplasm, where it participates in the fundamental cellular process of protein biosynthesis. The selected fragment (amino acids 1-115) represents a stable, soluble domain suitable for investigating the structural and biochemical properties of this important ribosomal component.