Recombinant RL37A protein (His tag)

Catalog Number	540097
Synonyms	60S ribosomal protein L37a
Species	Human
Expression System	E. coli
Accession	P61513
Molecular Weight	Predictes a molecular mass of 11.93 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	1-92
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 1-92 aa (P61513) 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 recombinant protein product features a stable and soluble fragment (residues 1-92) of the human Large ribosomal subunit protein eL43 (60S ribosomal protein L37a), encoded by the RPL37A gene. Designed for structural and biochemical studies, this fragment represents a key functional unit of the ribosome, essential for protein synthesis in cells. The full-length Large ribosomal subunit protein eL43 is a component of the large ribosomal subunit, which forms part of the ribosome—a critical ribonucleoprotein complex responsible for synthesizing proteins in the cell. As indicated by functional studies, it plays a direct role in ribosomal activity, contributing to cellular protein production. The protein is localized in the cytoplasm, where it participates in ribosomal assembly and function, underscoring its importance in fundamental biological processes.