Recombinant RL22L protein (His tag)

Catalog Number	551544
Synonyms	60S ribosomal protein L22-like 1; Large ribosomal subunit protein eL22-like 1
Species	Human
Expression System	E. coli
Accession	Q6P5R6
Molecular Weight	Predictes a molecular mass of 16.26 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	1-122
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 1-122 aa (Q6P5R6) 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 product is a high-quality recombinant fragment of the human Ribosomal protein eL22-like (RPL22L1), encompassing residues 1-122. The fragment has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies, biochemical assays, and functional investigations of the 60S ribosomal subunit. The full-length protein, Ribosomal protein eL22-like 1 (encoded by the RPL22L1 gene), is a component of the large 60S ribosomal subunit. As a ribosomal protein, it plays a fundamental role in the essential cellular process of protein synthesis (translation). While specific functional details and subcellular localization beyond its ribosomal association are not detailed here, ribosomal proteins are critical for ribosome assembly, stability, and catalytic function, making them central to cellular homeostasis and growth. This recombinant fragment provides a focused tool for dissecting the structure-function relationships of this important ribosomal component.