Recombinant RL8 protein (His tag)

Catalog Number	542478
Synonyms	60S ribosomal protein L8
Species	Human
Expression System	E. coli
Accession	P62917
Molecular Weight	Predictes a molecular mass of 29.55 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 30 kDa band.

Product Information

Sequence Region	2-257
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 2-257 aa (P62917) 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 uL2 (60S Ribosomal Protein L8) Fragment (residues 2-257) is a high-quality, stable protein fragment designed for structural and biochemical studies. This fragment represents a soluble and functional unit of the protein, ideal for investigating ribosomal assembly and protein synthesis mechanisms. The full-length Large Ribosomal Subunit Protein uL2, encoded by the RPL8 gene, is a key component of the large ribosomal subunit in humans. Ribosomes are essential ribonucleoprotein complexes responsible for protein synthesis in the cell. As part of the 60S ribosomal subunit, uL2 plays a critical role in the translation process, facilitating the accurate production of proteins. This protein is localized in the cytoplasm, where it contributes to ribosomal function and cellular protein biosynthesis, as supported by scientific evidence.