Recombinant RL15 protein (His tag)

Catalog Number	542449
Synonyms	60S ribosomal protein L15
Species	Human
Expression System	E. coli
Accession	P61313
Molecular Weight	Predictes a molecular mass of 25.67 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Product Information

Sequence Region	2-204
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 2-204 aa (P61313) 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 eL15 (RPL15) Fragment (aa 2-204) is a high-quality, stable protein designed for structural and biochemical studies. This fragment represents a soluble and functionally relevant domain of the 60S ribosomal protein L15, essential for protein synthesis, offering researchers a reliable tool for investigating ribosome assembly and function. The full-length Large Ribosomal Subunit Protein eL15, encoded by the RPL15 gene, is a critical component of the large ribosomal subunit, which forms part of the ribosome—the complex ribonucleoprotein machinery responsible for protein synthesis in cells. As indicated by its subcellular localization in the cytoplasm, it contributes to the ribosomal framework necessary for translating mRNA into functional proteins, supporting cellular growth and maintenance. This recombinant fragment spans residues 2-204, encompassing key structural domains to facilitate studies on ribosomal architecture and molecular interactions without the complexities of the full-length protein.