Recombinant RL35A protein (His tag)

Catalog Number	546808
Synonyms	60S ribosomal protein L35a; Cell growth-inhibiting gene 33 protein
Species	Human
Expression System	E. coli
Accession	P18077
Molecular Weight	Predictes a molecular mass of 14.19 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	1-110
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 1-110 aa (P18077) 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 eL33 (RPL35A) Fragment (1-110) is a high-quality protein product designed for structural and biochemical studies. This fragment represents a stable and soluble unit of the 60S ribosomal protein L35a, essential for protein synthesis and hematopoietic cell viability, making it an ideal tool for ribosomal research and functional assays. The full-length Large Ribosomal Subunit Protein eL33, encoded by the RPL35A gene, is a key component of the large ribosomal subunit, which forms part of the ribosome—the critical ribonucleoprotein complex responsible for protein synthesis in the cell. As indicated by functional studies, this protein is required for the proliferation and viability of hematopoietic cells, underscoring its importance in cellular growth and homeostasis. It is primarily localized in the cytoplasm, where it contributes to ribosomal assembly and function, supporting fundamental biological processes. The provided fragment (amino acids 1-110) encompasses the entire protein domain and was selected based on computational predictions to ensure stability and solubility, facilitating reliable experimental outcomes in research applications.