Recombinant RL26 protein (His tag)

Catalog Number	540095
Synonyms	60S ribosomal protein L26
Species	Human
Expression System	E. coli
Accession	P61254
Molecular Weight	Predictes a molecular mass of 18.91 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	1-145
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 1-145 aa (P61254) 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 uL24 (RPL26) Fragment (1-145) is a high-purity, stable protein fragment designed for structural and biochemical studies. This product represents a soluble and functionally relevant domain of the 60S ribosomal protein L26, enabling researchers to investigate ribosome assembly and protein synthesis mechanisms with precision. Large ribosomal subunit protein uL24, encoded by the RPL26 gene, is an essential component of the large ribosomal subunit in humans. As part of the ribosome—a complex ribonucleoprotein machinery—it plays a critical role in protein synthesis by facilitating the translation of mRNA into polypeptide chains. Located in the cytoplasm, this protein contributes to ribosome stability and function, supporting cellular protein production. The provided fragment (residues 1-145) encompasses the full-length domain of uL24, offering a representative and stable unit for exploring ribosomal structure-function relationships and related molecular processes.