Recombinant RL7 protein (His tag)

Catalog Number	534737
Synonyms	60S ribosomal protein L7
Species	Drosophila melanogaster
Expression System	E. coli
Accession	P32100
Gene ID	34352
Molecular Weight	Predictes a molecular mass of 31.21 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 31 kDa band.

Product Information

Sequence Region	1-252
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 1-252 aa (P32100) 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 Large ribosomal subunit protein uL30 (60S ribosomal protein L7) fragment from Drosophila melanogaster, representing amino acids 1-252. This stable and soluble protein fragment is ideal for structural studies and biochemical analysis of ribosomal function and translation regulation. The full-length Large ribosomal subunit protein uL30 (also known as 60S ribosomal protein L7) binds to G-rich structures in 28S rRNA and mRNAs, playing a regulatory role in the translation apparatus. As a ribosomal component, it functions in protein synthesis regulation and has been shown to inhibit cell-free translation of mRNAs, suggesting important regulatory functions in gene expression control. The recombinant fragment (1-252) was computationally selected to provide a stable, soluble unit that maintains structural integrity for research applications.