Recombinant RL28 protein (His tag)

Catalog Number	536636
Synonyms	60S ribosomal protein L28
Species	Drosophila melanogaster
Expression System	E. coli
Accession	Q9VZS5
Gene ID	38397
Molecular Weight	Predictes a molecular mass of 17.68 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band.

Product Information

Sequence Region	1-144
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 1-144 aa (Q9VZS5) 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 Drosophila melanogaster Large ribosomal subunit protein eL28 (60S ribosomal protein L28) fragment (residues 1-144) is a high-quality protein product designed for structural and biochemical studies. This fragment was computationally selected to ensure stability and solubility, making it an ideal tool for investigating ribosome assembly and function. The full-length Large ribosomal subunit protein eL28 (encoded by gene RpL28) is a component of the 60S ribosomal subunit in Drosophila melanogaster. As part of the ribosome, it plays a critical role in protein synthesis by contributing to the structural integrity and catalytic activity of the large ribosomal subunit. Ribosomal proteins are essential for cellular function, and studies on eL28 can provide insights into translation mechanisms and ribosome biogenesis in eukaryotic systems.