Recombinant RL7A protein (His tag)

Catalog Number	535871
Synonyms	60S ribosomal protein L7a
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	Q966C6
Gene ID	177203
Molecular Weight	Predictes a molecular mass of 31.70 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band.

Product Information

Sequence Region	2-265
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 2-265 aa (Q966C6) 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 eL8 (60S ribosomal protein L7a) fragment (residues 2-265) from Caenorhabditis elegans. This 264-amino acid fragment represents a stable, soluble unit of the ribosomal protein, ideal for structural biology and biochemical studies. The full-length Large ribosomal subunit protein eL8, encoded by the rpl-7A gene in Caenorhabditis elegans (UniProt ID: Q966C6), is a component of the 60S ribosomal subunit. As a ribosomal protein, it plays an essential role in protein synthesis by contributing to ribosome assembly, structure, and function. The provided fragment (residues 2-265) encompasses the complete structural domain of the protein and was computationally selected to ensure optimal stability and solubility for experimental applications.