Recombinant RT15 protein (His tag)

Catalog Number	536234
Synonyms	28S ribosomal protein S15, mitochondrial; MRP-S15; S15mt
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	Q9NAP9
Gene ID	187087
Molecular Weight	Predictes a molecular mass of 40.60 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 44 kDa band.

Product Information

Sequence Region	1-330
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 1-330 aa (Q9NAP9) 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 Small ribosomal subunit protein uS15m (28S ribosomal protein S15, mitochondrial) fragment from Caenorhabditis elegans, encompassing residues 1-330. This stable and soluble fragment is ideal for structural biology and biochemical studies of mitochondrial ribosome function. The full-length Small ribosomal subunit protein uS15m (also known as MRP-S15 or S15mt) is localized to the mitochondrion, as indicated by UniProt annotation. As a component of the mitochondrial ribosome, it plays a critical role in mitochondrial protein synthesis, supporting cellular energy production and metabolic functions essential for organismal viability.