Recombinant RT30 protein (His tag)

Catalog Number	549926
Synonyms	39S ribosomal protein S30, mitochondrial; MRP-S30; S30mt; Large ribosomal subunit protein mS30; Programmed cell death protein 9
Species	Human
Expression System	E. coli
Accession	Q9NP92
Molecular Weight	Predictes a molecular mass of 47.97 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 49 kDa band.

Product Information

Sequence Region	40-439
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 40-439 aa (Q9NP92) 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 mL65 (MRPS30) Fragment (aa 40-439) is a high-quality, stable protein fragment designed for structural and biochemical studies. This 400-amino acid fragment, derived from the mitochondrial ribosomal protein S30, offers enhanced solubility and stability, making it ideal for investigating mitochondrial ribosome function and programmed cell death pathways. The full-length Large Ribosomal Subunit Protein mL65 (also known as MRP-S30, S30mt, or Programmed Cell Death Protein 9) is a mitochondrial protein localized to the mitochondrion, as evidenced by experimental data. As a component of the 39S mitochondrial ribosomal subunit, it plays a critical role in mitochondrial protein synthesis, which is essential for cellular energy production and metabolism. Its alternative designation as Programmed Cell Death Protein 9 suggests involvement in apoptosis regulation, highlighting its importance in fundamental cellular processes. The mitochondrial localization underscores its significance in maintaining organelle function and overall cellular homeostasis.