Recombinant RM48 protein (His tag)

Catalog Number	549058
Synonyms	39S ribosomal protein L48, mitochondrial; L48mt; MRP-L48
Species	Human
Expression System	E. coli
Accession	Q96GC5
Molecular Weight	Predictes a molecular mass of 20.46 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 21 kDa band.

Product Information

Sequence Region	47-212
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 47-212 aa (Q96GC5) 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 mL48 (MRPL48) Fragment (aa 47-212) is a high-quality, stable protein fragment designed for structural and biochemical studies. This 166-amino acid soluble unit enables researchers to investigate mitochondrial ribosome function with precision and reliability. The full-length Large Ribosomal Subunit Protein mL48 (MRPL48) is a mitochondrial protein localized within the mitochondrion, as confirmed by multiple experimental studies. As a component of the 39S mitochondrial ribosomal subunit, it plays an essential role in mitochondrial protein synthesis, supporting cellular energy production and metabolic functions critical to human health and disease research.