Recombinant RM17 protein (His tag)

Catalog Number	539053
Synonyms	39S ribosomal protein L17, mitochondrial; L17mt; MRP-L17; LYST-interacting protein 2
Species	Human
Expression System	E. coli
Accession	Q9NRX2
Molecular Weight	Predictes a molecular mass of 20.90 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 21 kDa band.

Product Information

Sequence Region	9-175
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 9-175 aa (Q9NRX2) 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 bL17m (MRPL17) fragment (residues 9-175) is a high-purity, stable protein designed for structural and biochemical studies. This 167-amino acid fragment represents a soluble and functionally relevant domain, ideal for investigating mitochondrial ribosome assembly and function. Large ribosomal subunit protein bL17m, encoded by the MRPL17 gene, is a mitochondrial protein essential for the assembly and function of the mitochondrial ribosome. It localizes to the mitochondrion, where it plays a critical role in mitochondrial protein synthesis, supporting cellular energy production and metabolic processes. The provided fragment (residues 9-175) encompasses the core structural domain, facilitating research into ribosomal biogenesis and mitochondrial dysfunction.