Recombinant RM28 protein (His tag)

Catalog Number	540235
Synonyms	39S ribosomal protein L28, mitochondrial; L28mt; MRP-L28; Melanoma antigen p15; Melanoma-associated antigen recognized by T-lymphocytes
Species	Human
Expression System	E. coli
Accession	Q13084
Molecular Weight	Predictes a molecular mass of 25.17 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 28 kDa band.

Product Information

Sequence Region	56-256
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 56-256 aa (Q13084) 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 bL28m (MRPL28) fragment (residues 56-256), a stable and soluble protein unit optimized for structural biology and biochemical studies of mitochondrial ribosome function. Large ribosomal subunit protein bL28m, also known as MRPL28, is a mitochondrial protein component of the 39S ribosomal subunit. The protein localizes to the mitochondrion, where it participates in mitochondrial protein synthesis. This recombinant fragment represents a computationally selected stable domain (residues 56-256) that maintains structural integrity for experimental applications investigating mitochondrial ribosome assembly and function.