Recombinant TRM9B protein (His tag)

Catalog Number	548429
Synonyms	Probable tRNA methyltransferase 9-like protein
Species	Human
Expression System	E. coli
Accession	Q9P272
Molecular Weight	Predictes a molecular mass of 20.07 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	1-161
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 1-161 aa (Q9P272) 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 Probable tRNA Methyltransferase 9B (TRMT9B) Fragment (1-161) is a high-purity, soluble protein derived from human TRMT9B, designed for structural and functional studies. This fragment retains key characteristics of the full-length enzyme, enabling investigations into tRNA modification mechanisms and tumor suppressor roles. Probable tRNA Methyltransferase 9B (TRMT9B) is a human enzyme involved in post-transcriptional tRNA modification, specifically targeting wobble uridines in arginine and glutamic acid tRNAs. It functions as a tumor suppressor by promoting LIN9 expression, linking tRNA metabolism to cell cycle regulation and cancer pathways. The recombinant fragment (residues 1-161) represents a stable, soluble unit optimized for biochemical and structural analyses, supporting research into RNA epigenetics and oncogenic mechanisms.