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Product datasheet for AR51858PU-S

RNMTL1 (1-420, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	RNMTL1 (1-420, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMAALVRP ARFVVRPLLQ VVQAWDLDAR RWVRALRRSP VKVVFPSGEV VEQKRAPGKQ PRKAPSEASA QEQREKQPLE ESASRAPSTW EESGLRYDKA YPGDRRLSSV MTIVKSRPFR EKQGKILLEG RRLISDALKA GAVPKMFFFS RLEYLKELPV DKLKGVSLIK VKFEDIKDWS DLVTPQGIMG IFAKPDHVKM TYPKTQLQHS LPLLLICDNL RDPGNLGTIL RSAAGAGCSK VLLTKGCVDA WEPKVLRAGM GAHFRMPIIN NLEWETVPNY LPPDTRVYVA DNCGLYAQAE MSNKASDHGW VCDQRVMKFH KYEEEEDVET GASQDWLPHV EVQSYDSDWT EAPAAVVIGG ETYGVSLESL QLAESTGGKR LLIPVVPGVD SLNSAMAASI LLFEGKRQLR GRAEDLSRDR SYH
Tag:	His-tag
Predicted MW:	49.4 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Liquid, In 20 mM Tris-HCl (pH 8.0) containing 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human RNMTL1, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001304876
Locus ID:	55178
UniProt ID:	Q9HC36
Cytogenetics:	17p13.3

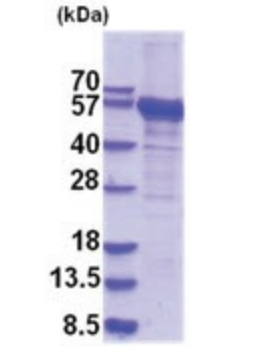
View online »

Synonyms: RMTL1; RNMTL1

Summary: Efficient translation of mitochondrial-derived transcripts requires proper assembly of the large subunit of the mitochondrial ribosome. Central to the biogenesis of this large subunit is the A-loop of mitochondrial 16S rRNA, which is modified by three rRNA methyltransferases located near mtDNA nucleoids. The protein encoded by this gene methylates G(1370) of 16S rRNA, and this modification is necessary for proper ribosomal large subnit assembly. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]

Protein Families: Stem cell - Pluripotency

Product images:



15% SDS-PAGE (3ug)