

## Product datasheet for **AR51858PU-N**

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

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	RNMTL1 (1-420, His-tag) human recombinant protein, 0.5 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSMAALVRP ARFVVRPLLQ VVQAWDLAR RWRALRRSP VKVVFPSGEV VEQKRAPGKQ PRKAPSEASA QEQREKQPLE ESASRAPSTW EESGLRYDKA YPGDRRLSSV MTIVKSRPFR EKQKGILLEG RRLISDALKA GAVPKMFFFS RLEYLKELPV DKLKGVSLIK VKFEDIKDWS DLVTPQGIMG IFAKPDHVKM TYPKTQLQHS LPLLLICDNL RDPGNLGTIL RSAAGAGCSK VLLTKGCVDA WEPKVL RAGM GAHFRMPIIN NLEWETVPNY LPPDTRVYVA DNCGLYAQAE MSNKASDHGW VCDQRVMKFH KYEEEEDEVET GASQDWLPHV EVQSYSDSWT EAPAAVIGG ETYGVSLESL QLAESTGGKR LLIPVPGVD SLNSAMAASI LLEFEGKRQLR GRAEDLSRDR SYH
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	49.4 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>85% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: Liquid, In 20 mM Tris-HCl (pH 8.0) containing 10% glycerol
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human RNMTL1, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001304876</a>
<b>Locus ID:</b>	55178
<b>UniProt ID:</b>	<a href="#">Q9HC36</a>
<b>Cytogenetics:</b>	17p13.3



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**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 subunit 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:**

