

Product datasheet for AR09934PU-N

URM1 (1-101, His-tag) Human Protein

Product data:

OriGene Technologies, Inc.

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Product Type:	Recombinant Proteins
Description:	URM1 (1-101, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MAAPLSVEVE FGGGAELLFD GIKKHRVTLP GQEEPWDIRN LLIWIKKNLL KERPELFIQG DSVRPGILVL INDADWELLG ELDYQLQDQD SVLFISTLHG G
Tag:	His-tag
Predicted MW:	13.5 kDa
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human URM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP 001129419</u>
Locus ID:	81605
UniProt ID:	<u>Q9BTM9</u>
Cytogenetics:	9q34.11
Synonyms:	C9orf74

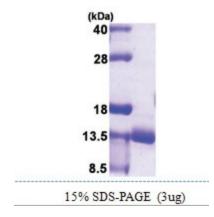


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Summary:Acts as a sulfur carrier required for 2-thiolation of mcm(5)S(2)U at tRNA wobble positions of
cytosolic tRNA(Lys), tRNA(Glu) and tRNA(Gln). Serves as sulfur donor in tRNA 2-thiolation
reaction by being thiocarboxylated (-COSH) at its C-terminus by MOCS3. The sulfur is then
transferred to tRNA to form 2-thiolation of mcm(5)S(2)U. Also acts as a ubiquitin-like protein
(UBL) that is covalently conjugated via an isopeptide bond to lysine residues of target
proteins such as MOCS3, ATPBD3, CTU2, USP15 and CAS. The thiocarboxylated form serves
as substrate for conjugation and oxidative stress specifically induces the formation of UBL-
protein conjugates.[UniProtKB/Swiss-Prot Function]

Product images:



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