

Recombinant Human URM1, His-tagged

Cat. No. URM1-31676TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Urm1 with N terminal His tag; 121 amino acids with tag, MWt 13.5 kDa.
Species	Human
Source	E.coli
ProteinLength	101 amino acids
Description	Acts as a sulfur carrier required for 2-thiolation of mcm(5)S(2)U at tRNA wobble positions of tRNA(Lys), tRNA(Glu) and tRNA(Gln). Serves as sulfur donor in tRNA 2-thiolation reaction by thiocarboxylated (-COSH) at its C-terminus by MOCS3.
Conjugation	HIS
Molecular Weight	13.500kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMAAPLSVEVEFGGGAELLFDGIKKHRVTLPQGEEP WDIRNLLIWIKKNLLKERPELFIQGDSVRPGILVLINDADWELLGELDYQLQDQDSVLF ISTLHGG
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Sequence Similarities	Belongs to the URM1 family.
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GENE INFORMATION

Gene Name	URM1 ubiquitin related modifier 1 [Homo sapiens]
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Official Symbol	URM1
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Synonyms	URM1; ubiquitin related modifier 1; C9orf74, chromosome 9 open reading frame 74 , ubiquitin related modifier 1 homolog (S. cerevisiae); ubiquitin-related modifier 1 homolog; MGC2668;
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Gene ID	81605
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mRNA Refseq	NM_001135947
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Protein Refseq	NP_001129419
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MIM	612693
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Uniprot ID	Q9BTM9
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Chromosome Location	9q34.13
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Pathway	Sulfur relay system, organism-specific biosystem; Sulfur relay system, conserved biosystem;
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Function

protein binding; contributes_to sulfurtransferase activity;

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