

Recombinant Hmuan Ubiquitin Related Modifier 1, His-tagged

Cat. No. URM1-63H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human URM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	URM1 is ubiquitin-related modifier 1 homolog protein that primarily functions in the post-translational modification of proteins by way of the urmylation pathway. In studies with <i>Saccharomyces cerevisiae</i> , it has been found that Urm1 covalently binds to its E1 activating enzyme, Uba4p, to conjugate alkyl hydroperoxidoreductase (Ahp1). It is hypothesized that this complex may then play a role in the oxidative-stress response in mammals.
Formulation	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT.
Molecular Weight	13.5 kDa (121 aa) confirmed by MALDI-TOF
Purity	> 95% by SDS – PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSHMAAPLSVEVE FGGAELLFD GIKKHRVTLP GQEEPWDIRN LLIWIKKNLL KERPELFIQG DSVRPGILVL INDADWELLG ELDYQLQDQD SVLFISTLHG G

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

URM1 ubiquitin related modifier 1 [Homo sapiens]

Synonyms

URM1;ubiquitin related modifier 1;C9orf74; MGC2668; RP11-339B21.4;ubiquitin related modifier 1 homolog;chromosome 9 open reading frame 74;ubiquitin related modifier 1 homolog

Gene ID

81605

MIM

612693

mRNA Refseq

NM_030914

Protein Refseq

NP_112176

UniProt ID

Q9BTM9

**Chromosome
Location**

9q34.13

Function

protein binding; contributes_tosulfurtransferase activity

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