Recombiant 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 Saccharomyces cerevisiae, it has been found that Urm1 covalently binds to its E1 activating enzyme, Uba4p, to conjugate alkyl hydroperoxidereductase (Ahp1). It is hypothesized that this complex may then play a role in the oxidative-stress response in mammals.
Formulation	Liquid. In 20mM Tris-HClbuffer(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 animo acids	MGSSHHHHHH SSGLVPRGSHMAAPLSVEVE FGGGAELLFD 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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