

Product information

URM1, 1-101 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0994

Full name: Ubiquitin-related modifier 1 homolog

NCBI Accession No.: NP_112176

Synonyms: C9orf74, MGC2668, RP11-339B21.4.

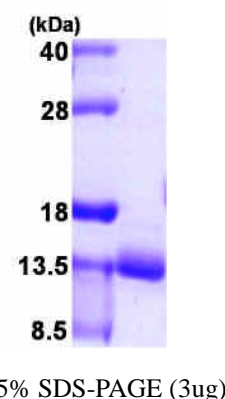
Description: URM1 is ubiquitin-related modifier 1 homolog protein that primarily functions in the post-translational modification of proteins by way of the urmylation pathway. In studies with *Saccharomyces cerevisiae*, it has been found that Urm1 covalently binds to its E1 activating enzyme, Uba4p, to conjugate alkyl hydroperoxide reductase (Ahp1). It is hypothesized that this complex may then play a role in the oxidative-stress response in mammals. Recombinant human URM1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: 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 SSGLVPRGSH MAAPLSVEVE FGGAELLFD GIKKHRVTLP GQEEPWDIRN LLIWIKNLL KERPELFIQG DSVRPGILVL
INDADWELLG ELDYQLQDQD SVLFISTLHG G

General references:

Xu J., *et al.* (2006) *Proc Natl Acad Sci U S A.* 103(31):11625-30.

Schlieker CD., *et al.* (2008) *Proc Natl Acad Sci U S A.* 105(47):18255-60.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.