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32-5198: Recombinant Human Ubiquitin Related Modifier 1

Alternative Name : Ubiquitin-related modifier 1 homolog,URM1,C9orf74,MGC2668,RP11-339B21.4.

Description

Source : Escherichia Coli. URM1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 121 amino acids (1-101 a.a.) and having a molecular mass of 13.5kDa.URM1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. URM1 is ubiquitin-related modifier 1 homolog protein which mainly functions in the post-translational modification of proteins via the urmylation pathway. Urm1 covalently binds to its E1 activating enzyme, Uba4p, to conjugate alkyl hydroperoxide reductase (Ahp1) as determined by studies with Saccharomyces cerevisiae. It has been theorized that this complex may then have a role in the oxidative-stress response in mammals.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The URM1 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MAAPLSVEVE FGGGAELLFD GIKKHRVTLP GQEEPWDIRN LLIWIKKNLL KERPELFIQG DSVRPGILVL INDADWELLG ELDYQLQDQD SVLFISTLHG G.

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