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URM1 Human

Catalog #:PRPS-195

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Description: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.

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

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MAAPLSVEVE FGGGAELLFD GIKKHRVTLP GQEEPWDIRN LLIWIKKNLL KERPELFIQG DSVRPGILVL INDADWELLG ELDYQLQDQD SVLFISTLHG G.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
The URM1 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 1mM DTT.

Stability:
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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
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 conjµgate 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.

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