

Uricase

Urate Oxidase Recombinant
ENZ1448

Product Overview

Name Uricase

Description

Urate Oxidase Recombinant

Synonyms

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

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 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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

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.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MAAPLSVEVE FGGGAELLFD GIKKHRVTLP GQEEPWDIRN LLIWIKKNLL
KERPELIQGG DSVRPGILVL INDADWELLG ELDYQLQDQD SVLFISTLHG G.

Precautions

Uricase is for research use only and not for use in diagnostic or therapeutic procedures.