Creative Enzymes®

Dimethylglycine oxidase from Arthrobacter globifomis, Recombinant

Cat. No. NATE-0826

Lot. No. (See product label)

Introduction

Description	Dimethylglycine oxidase (DMGO) is a covalent flavoenzyme from Arthrobacter globiformis that catalyzes the oxidative demethylation of dimethylglycine to yield sarcosine, formaldehyde, and hydrogen peroxide. The N-terminal region binds FAD covalently so it is yellowish.
Synonyms	DMGO; Dimethylglycine Oxidase

Product Information

Species	Arthrobacter globifomis
Source	E. coli
Appearance	Sterile filtered liquid formulation 1 mg/ml.
CAS No.	74870-79-4
Molecular Weight	92.1 kDa
Purity	Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Buffer	The Recombinant Dimethylglycine Oxidase solution contains 20mM Tris-HCl pH7.5 and 20% glycerol.

Storage and Shipping Information

Stability	Dimethylglycine Oxidase Recombinant although stable at 4°C for 30 days, should be stored desiccated below -20°C for periods greater than 30 days. Please prevent freeze-thaw cycles.