

Dimethylglycine oxidase from *Arthrobacter globiformis*, 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 globiformis*

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.