



Recombinant *A. globiformis* Dimethylglycine oxidase [His] (DAG4066)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant <i>Arthrobacter globiformis</i> Dimethylglycine oxidase, His-tagged
Species	<i>A. globiformis</i>
Purity	> 95% by SDS-PAGE
Conjugate	His
Applications	SDS-PAGE
Format	Liquid. 20mM Tris pH8.0, 20% glycerol Molecular Weight: 92.1kDa (850 a.a) 41.1kDa (376aa), confirmed by MALDI-TOF.
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Dimethylglycine oxidase (DMGO) is a covalent flavoenzyme from <i>Arthrobacter globiformis</i> 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.
Keywords	DMGO; Dimethylglycine oxidase; dmg2; oxidoreductases; N,N-dimethylglycine:oxygen oxidoreductase (demethylating); <i>A.globiformis</i> DMGO; <i>Arthrobacter globiformis</i> Dimethylglycine oxidase