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DMGO (Dimethylglycine oxidase) Arthrobacter globiformis Recombinant, His-tag E.coli

产品货号: TP01891

第三版

别名:N,N-dimethylglycine oxidase, DMG

**描述:**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. Recombinant DMGO originated from Arthrobacter globiformis, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**配方:**Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol

**分子量:**92.1kDa (850aa), confirmed by MALDI-TOF

**序列:**

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MGSSHHHHHSSGLVPRGSHMASTPRIVIIGAGIVGTNLADELVTRGWNNITVLDQGPLNMPGGSTSHAPGLVFQTNPS
KTMAFSAKYTVEKLLSLTEDGVSCFNQVGGLEVATTETRLADLKRKLGAAAAWGIEGRLLSPAECQELYPLLDGENILGGL
HVPDGLASAARAVQLLIKRTESAGVTYRGSTTVTGIEQSGGRVTGVQTADGVIPADIVVSCAGFWGAKIGAMIGMAVPL
LPLAHQYVKTTPVPAQQGRNDQPNGARLPILRHQDQDLYYREHGDYRIGSYAHRPMPVDVDTLGAAYPETVSEHHM
PSRLDFTLEDFLPAWEATKQLLPALADSEIEDGFNGIFSFTPDGGPLLGESKELDGFYVAEAVVWVTHSAGVAKAMAELLTT
GRSETDLGECDIRFEDVQLTPEYVSETSQQNFVEIYDVLHPLQPRLSRNLRVSPFHARHKELGAFFLEAGGWERPYWFEA
NAALLKEMPAEWLPPARDAWSGMFSSPIAAAEAWKTRTAVAMYDMTPLKRLEVSGPGALKLLQELTTADLAKKPGAVTY
TLLLDHAGGVRSDITVARLSEDTFQLGANGNIDTAYFERAARHQTQSGSATDWVQVRDVTGGTCCIGLWGPLARDLVSK
VSDDDFTNDGLKYFRAKNVVIGGIPVTAMRLSYVGELGWELYTSADNGQRLWDALWQAGQPFVIAAGRAAFSSLRLEK
GYRSWGTDMTTEHDPFEAGLGFVAKMAKESFIGKGALEGRTEEASARRLRCLTIDDGRSIVLGKEPVFYKEQAVGYV TSA
AYGYTVAKPIAYSYPGTVSVGDSVDIEYFGRRITATVTEDPLYDPKMTRLRG
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**纯度:**> 95% by HPLC

**浓度:**1 mg/ml (determined by Bradford assay)

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:**+4 ° C 保存 (1-2 周). 长期保存在-20 ° C 或者-70 ° C. 避免反复冻融.