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32-2277: DMGO Recombinant Protein

Alternative Name : DMGO,Dimethylglycine Oxidase.

Description

Source : Escherichia Coli. Dimethylglycine oxidase Recombinant originated from Arthrobacter globifomis fused to His Tag at N-terminal produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 850 amino acids and having a molecular mass of 92.1 kDa. The DMGO is purified by proprietary chromatographic techniques.

Product Info

Amount :	50 µg
Purification :	Greater than 95.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	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.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MASTPRIVII GAGIVGTNLA DELVTRGWNN ITVLDQGPLN MPGGSTSHAP GLVFQTNPSK TMASFAKYTVEKLLSLTEDG VSCFNQVGGL EVATTETRLA DLKRKLGYAA AWGIEGRLLS PAECQELYPL LDGENILGGL HVPSDGLASA ARAVQLLIKRTESAGVTYRG STTVTGIEQS GGRVTGVQTA DGVIPADIVV SCAGFWGAKI GAMIGMAVPL LPLAHQYVKT TPVPAQQGRN DQPNGARLPILRHQDQDLYY REHGDRYGIG SYAHRPMPVD VDTLGAYAPE TVSEHHMPSR LDFTLEDFLP AWEATKQLLP ALADSEIEDG FNGIFSFTPDGGPLLGESKE LDGFYVAEAV WVTHSAGVAK AMAELLTTGR SETDLGECDI TRFEDVQLTP EYVSETSQQN FVEIYDVLHP LQPRLSPRNLRVSPFHARHK ELGAFFLEAG GWERPYWFEA NAALLKEMPA EWLPPARDAW SGMFSSPIAA AEAWKTRTAV AMYDMTPLKR LEVSGPGALKLLQELTTADL AKKPGAVTYT LLLDHAGGVR SDITVARLSE DTFQLGANGN IDTAYFERAA RHQTQSGSAT DWVQVRDTTG GTCCIGLWGPLARDLVSKVS DDDFTNDGLK YFRAKNVVIG GIPVTAMRLS YVGELGWELY TSADNGQRLW DALWQAGQPF GVIAAGRAAF SSLRLEKGYRSWGTDMTTEH DPFEAGLGFA VKMAKESFIG KGALEGRTEE ASARRLRCLT IDDGRSIVLG KEPVFYKEQA VGYVTSAAYG YTVAKPIAYSYLPGTVSVGD SVDIEYFGRR ITATVTEDPL YDPKMTRLRG.

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