
Product Data Sheet

Product Name: MEP1B Mouse

Cat. No.: GP23912

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9 Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	MeprinA subunit beta (EC:3.4.24.63); Endopeptidase-2; Meprin B; Mep1b; Mep-1b.		
Amino Acid Sequence	LPAPEKFKDIDGGIDQDIF DINQGLGLDL FEGDIKLEAN GKNSIIGDHK RWPHTIPYVL EDSLEMNAKG VILNAFERYRLKTCIDFKPW SGEANYISVF KGSGCWSSVG NIHAGKQELS IGTNCDRIAT VQHEFLHALG FWHEQSRADRDDYVIIVWDR IQPGKEHNFN IYNDVSDSL NVPYDYTSVM HYSKTAFQNG TESTIVTRIS EFEDVIGQRMDFSDYDLLKL NQLYNCTSSL SFMDSCDFEL ENICGMIQSS GDSADWQRVS QVLSGPESDH SKMGQCKDSGFFMHFNTSIL NEGATAMLES RLLYPKRGFQ CLEFYLYNSG SGNDQLNIYT REYTTGQQGG VLTLQRQIKEVPIGSWQLHY VTLQVTKKFR VVFEGLRPG TSSGGLSIDD INLSETRCPH HIWHIQNFTQ ILGGQDTSVYSPFYSSKGY AFQIYMDLRS STNVGIYFHL ISGANDDQLQ WPCPWQQATM TLLDQNPDIR QRMFNQRSITTDPTMTSDNG SYFWDRPSKV GVTDFPNGT QFSRGIGYGT TVFITRERLK SREFIKGDDI YILLTVEDISHLNSTSAVPD PVPTLAVHNA CSEVVCQNGG ICVVQDGRAE CKCPAGEDWW YMGKRCEKRG STRDVEHHHHHH.		
Formulation	MEP1B protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Meprin A subunit beta (MEP1B) belongs to the astacin family of zinc endopeptidases 1, 2. MEP1B is a disulfide-linked, tetrameric metalloendopeptidase in renal brush border membranes. MEP1B is highly regulated, secreted cell-surface metalloendopeptidase, which is amply expressed in the kidney and intestine.

Stability

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

MEP1B produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 642 amino acids (21-654aa) and having a molecular mass of 72.6kDa. (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). MEP1B is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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