Recombinant Mouse Mep1b Protein, His-tagged

Cat. No. Mep1b-43M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse MEP1B, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
Description	MEP1B, also known as meprin A subunit beta, is a member of the astacin family of zinc endopeptidases 1, 2. It is disulfide-linked, tetrameric metalloendopeptidases in renal brush border membranes. It is highly regulated, secreted, and cell-surface metalloendopeptidases that are abundantly expressed in the kidney and intestine.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	72.6kDa (642aa)70-100kDa (SDS-PAGE under reducing conditions)
AA Sequence	LPAPEKFVKD IDGGIDQDIF DINQGLGLDL FEGDIKLEAN GKNSIIGDHK RWPHTIPYVL EDSLEMNAKG VILNAFERYR LKTCIDFKPWSGEANYISVF KGSGCWSSVG NIHAGKQELS IGTNCDRIAT VQHEFLHALG FWHEQSRADR DDYVIIVWDR IQPGKEHNFN IYNDSVSDSLNVPYDYTSVM HYSKTAFQNG TESTIVTRIS EFEDVIGQRM DFSDYDLLKL NQLYNCTSSL SFMDSCDFEL ENICGMIQSS GDSADWQRVSQVLSGPESDH SKMGQCKDSG FFMHFNTSIL NEGATAMLES RLLYPKRGFQ CLEFYLYNSG SGNDQLNIYT REYTTGQQGG VLTLQRQIKEVPIGSWQLHY VTLQVTKKFR VVFEGLRGPG TSSGGLSIDD INLSETRCPH HIWHIQNFTQ ILGGQDTSVY SPPFYSSKGY

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	AFQIYMDLRSSTNVGIYFHL ISGANDDQLQ WPCPWQQATM TLLDQNPDIR QRMFNQRSIT TDPTMTSDNG SYFWDRPSKV GVTDVFPNGT QFSRGIGYGTTVFITRERLK SREFIKGDDI YILLTVEDIS HLNSTSAVPD PVPTLAVHNA CSEVVCQNGG ICVVQDGRAE CKCPAGEDWW YMGKRCEKRGSTRDVEHHHH HH
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20Centigrade or -70Centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name	Mep1b meprin 1 beta [Mus musculus]
Official Symbol	Mep1b
Synonyms	MEP1B; meprin 1 beta; meprin B; meprin beta; Mep-1b; MGC159330;
Gene ID	17288
mRNA Refseq	NM_008586
Protein Refseq	NP_032612
MIM	

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UniProt ID	
Pathway	Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem;
Function	hydrolase activity; metal ion binding; metalloendopeptidase activity; metallopeptidase activity; peptidase activity; zinc ion binding;

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