

Recombinant Mouse Mep1b Protein, His-tagged

Cat. No. Mep1b-7279M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mep1b Protein with a His tag.
Species	Mouse
ProteinLength	21-654
Description	Membrane metallopeptidase that sheds many membrane-bound proteins. Exhibits a strong preference for acidic amino acids at the P1' position. Known substrates include: FGF19, VGFA, IL1B, IL18, procollagen I and III, E-cadherin, KLK7, gastrin, ADAM10, tenascin-C. The presence of several pro-inflammatory cytokine among substrates implicate MEP1B in inflammation. It is also involved in tissue remodeling due to its capability to degrade extracellular matrix components.
Form	Liquid
Molecular Mass	72.6 kDa
AA Sequence	LPAPEKFKDIDGGIDQDIFDINQGLGLDLFEGDIKLEANGKNSIIGDHKRWPHTIPYV LEDSLEMNAKGVILNAFERYRLKTCIDFKPWSGEANYISVFKGSGCWSSVGNIHAGK QELSIGTNCRIATVQHEFLHALGFWHEQSRADRDDYVIVWDRIQPGKEHNFNIN DSVSDSLNVPYDYTSVMHYSKTAFAQNGTESTIVTRISEFEDVIGQRMDFSDYDLLKL NQLYNCTSSLSFMDSCDFELENICGMIQSSGDSADWQRVVSQVLSGPESDHSKMGQ CKDSGFFMHFNSTILNEGATAMLESRLLYPKRGFQCLEFYLYNSGSGNDQLNIYTRE YTTGQQGGVLTQLRQIKEVPIGSWQLHYVTLQVTKKFRVVFEGLRGPGTSSGGLSID DINLSETRCPHHIWHIQNFTQILGGQDTSVYSPPFYSSKGYAFQIYMDLRSSSTNVGIY

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FHLISGANDDQLQWPCPWQQATMTLLDQNPDIRQRMFNQRSITTDPTMTSDNGSY
FWDRPSKVGVTDFPNGTQFSRGIGYGTTFITRERLKSREFIKGDDIYILLTVEDISH
LNSTSAVPDPVPTLAVHNACSEVVCQNGGICVVQDGRAECKCPAGEDWWYMGKR
CEKRGSTRDVEHHHHHHH

Endotoxin	< 1.0 EU/μg of protein (determined by LAL method)
Purity	> 90 % by SDS-PAGE
Stability	Shelf life: one year from despatch.
Storage	Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.
Concentration	0.25 mg/mL (determined by absorbance at 280nm)
Storage Buffer	Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.

GENE INFORMATION

Gene Name	Mep1b meprin 1 beta [<i>Mus musculus</i> (house mouse)]
Official Symbol	Mep1b
Synonyms	Mep1b; meprin 1 beta; Mep-1; Mep-1b; meprin A subunit beta; endopeptidase-2; meprin B; meprin beta; EC 3.4.24.63
Gene ID	17288
mRNA Refseq	NM_008586

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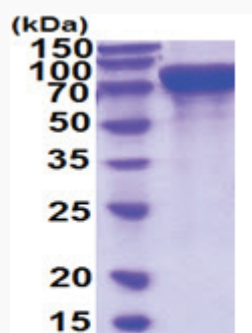
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Protein Refseq NP_032612

UniProt ID Q61847

SDS-PAGE



15% SDS-PAGE (3ug)

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