

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	<p> LPAPEKFKVDIDGGIDQDIFDINQGLGLDLFEGDIKLEANGKNSIIGDHKRWPHTIPYV LEDSLEMNAKGVILNAFERYRLKTCIDFKPWSGEANYISVFKGSGCWSSVGNIHAGK QELSIGTNCRIATVQHEFLHALGFWHEQSRADRDDYVIVWDRIQPGKEHNFNIYN DSVSDSLNVPYDYTSVMHYSKTAFAQNGTESTIVTRISEFEDVIGQRMDFSDYDLLKL NQLYNCTSSLSFMDSCDFELENICGMIQSSGDSADWQRVSQVLSGPESDHSKMGQ CKDSGFFMHFNFSILNEGATAMLESRLLYPKRGFQCLEFYLYNSGSGNDQLNIYTRE YTTGQQGGVLTQRQIKEVPIGSWQLHYVTLQVTKKFRVVFEGLRGPGTSSGGLSID DINLSETRCPHHIWHIQNFTQILGGQDTSVYSPPFYSSKGYAFQIYMDLRSSTNVGIY </p>

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FHLISGANDDQLQWPCPWQQATMTLLDQNPDIRQRMFNQRSITTDPTMTSDNGSY
 FWDRPSKVGVTDFPNGTQFSRGIGYGTTVFITRERLKSREFIKGDDIYILLTVEDISH
 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 \[Mus musculus \(house mouse\) \]](#)

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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Protein Refseq NP_032612

UniProt ID Q61847

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