

Recombinant Human MEP1B Protein, His-tagged

Cat. No. MEP1B-2432H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MEP1B Protein (Trp432-Tyr676) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Trp432-Tyr676
Description	Meprins are multidomain zinc metalloproteases that are highly expressed in mammalian kidney and intestinal brush border membranes, and in leukocytes and certain cancer cells. They are involved in the hydrolysis of a variety of peptide and protein substrates, and have been implicated in cancer and intestinal inflammation. Mature meprins are oligomers of evolutionarily related, but separately encoded alpha and/or beta subunits. Homooligomers of alpha subunit are secreted, whereas, oligomers containing the beta subunit are plasma membrane-bound. This gene encodes the beta subunit. Targeted disruption of this gene in mice affects embryonic viability, renal gene expression profiles, and distribution of the membrane-associated alpha subunit in kidney and intestine.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.3 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

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Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	MEP1B meprin A, beta [Homo sapiens (human)]
Official Symbol	MEP1B
Synonyms	MEP1B; meprin A, beta; meprin A subunit beta; PPH beta; meprin B; endopeptidase-2; PABA peptide hydrolase; N-benzoyl-L-tyrosyl-P-amino-benzoic acid hydrolase subunit beta; N-benzoyl-L-tyrosyl-p-amino-benzoic acid hydrolase beta subunit;
Gene ID	4225
mRNA Refseq	NM_005925
Protein Refseq	NP_005916

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MIM	600389
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UniProt ID	Q16820
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