Recombinant Human MME Protein, His-tagged

Cat. No. MME-152H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human membrane metalloendopeptidase(MME) protein, transcript variant 1(NM_000902), with a His tag, was expressed in human cells.
Species	Human
Source	Human Cells
Description	This gene encodes a common acute lymphocytic leukemia antigen that is an important cell surface marker in the diagnosis of human acute lymphocytic leukemia (ALL). This protein is present on leukemic cells of pre-B phenotype, which represent 85% of cases of ALL. This protein is not restricted to leukemic cells, however, and is found on a variety of normal tissues. It is a glycoprotein that is particularly abundant in kidney, where it is present on the brush border of proximal tubules and on glomerular epithelium. The protein is a neutral endopeptidase that cleaves peptides at the amino side of hydrophobic residues and inactivates several peptide hormones including glucagon, enkephalins, substance P, neurotensin, oxytocin, and bradykinin. This gene, which encodes a 100-kD type II transmembrane glycoprotein, exists in a single copy of greater than 45 kb. The 5' untranslated region of this gene is alternatively spliced, resulting in four separate mRNA transcripts. The coding region is not affected by alternative splicing.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.298, without any preservatives.

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Molecular Mass	85.3 kDa
Endotoxin	Endotoxin level is < 0.1 ng/ug of protein (<1EU /ug)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining
Applications	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

GENE INFORMATION

Gene Name	MME membrane metallo-endopeptidase [Homo sapiens]
Official Symbol	MME
Synonyms	MME; membrane metallo-endopeptidase; neprilysin; CALLA; CD10; enkephalinase; NEP; neutral endopeptidase; atriopeptidase; skin fibroblast elastase; neutral endopeptidase 24.11; membrane metallo-endopeptidase variant 1; membrane metallo-endopeptidase variant 2; common acute lymphocytic leukemia antigen; membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase); membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10); SFE; MGC126681; MGC126707; DKFZp686O16152;
Gene ID	4311
mRNA Refseq	NM_000902
Protein Refseq	NP_000893
MIM	120520

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UniProt ID	P08473

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