

## Recombinant Human MME Protein, His-tagged

Cat. No. MME-151H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human membrane metalloendopeptidase(MME) protein, transcript variant 2a(NM\_007288), 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, pH7.294, without any preservatives.

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

## GENE INFORMATION

<b>Gene Name</b>	MME membrane metallo-endopeptidase [ Homo sapiens ]
<b>Official Symbol</b>	MME
<b>Synonyms</b>	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;
<b>Gene ID</b>	4311
<b>mRNA Refseq</b>	NM_000902
<b>Protein Refseq</b>	NP_000893
<b>MIM</b>	120520

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UniProt ID

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