

Recombinant Human MME Protein, His-tagged

Cat. No. MME-13H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MME Protein, fused to His-tag, was expressed in Baculovirus.
Species	Human
Source	Insect cells
ProteinLength	52-750 aa
Description	The protein encoded by this gene is a type II transmembrane glycoprotein and a common acute lymphocytic leukemia antigen that is an important cell surface marker in the diagnosis of human acute lymphocytic leukemia (ALL). The encoded 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. 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.
Form	Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 100mM NaCl, 0.1mM PMSF, 10% glycerol.
Bio-activity	Specific activity is > 5,000pmol/min/ug in which one unit will convert 1.0pmole of Mca-SEVNLDAEFRK(Dnp)RR-NH ₂ to MCA- Pro-Leu-OH per minute at pH 8.8 at 25C.
Molecular Mass	80.9 kDa

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Endotoxin	< 1 EU per 1ug of protein (determined by LAL method).
Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE, Enzyme Activity
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at 2 to 8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by absorbance at 280nm).

GENE INFORMATION

Gene Name	MME membrane metalloendopeptidase [Homo sapiens (human)]
Official Symbol	MME
Synonyms	MME; membrane metalloendopeptidase; NEP; SFE; CD10; CALLA; CMT2T; SCA43; Neprilysin; Atriopeptidase; Common acute lymphocyticleukemia antigen; Enkephalinase; Neutral endopeptidase; Skin fibroblast elastase; Membrane metalloendopeptidase; EPN
Gene ID	4311
mRNA Refseq	NM_000902.5
Protein Refseq	NP_000893.2

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MIM	120520
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UniProt ID	P08473
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