

## Recombinant Human MME Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MME Protein, fused to His-tag, was expressed in Baculovirus.
<b>Species</b>	Human
<b>Source</b>	Insect cells
<b>ProteinLength</b>	52-750 aa
<b>Description</b>	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.
<b>Form</b>	Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 100mM NaCl, 0.1mM PMSF, 10% glycerol.
<b>Bio-activity</b>	Specific activity is > 5,000pmol/min/ug in which one unit will convert 1.0pmole of Mca-SEVNLDAEFRK(Dnp)RR-NH <sub>2</sub> to MCA- Pro-Leu-OH per minute at pH 8.8 at 25C.
<b>Molecular Mass</b>	80.9 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Endotoxin</b>	< 1 EU per 1ug of protein (determined by LAL method).
<b>Purity</b>	> 95% by SDS-PAGE
<b>Applications</b>	SDS-PAGE, Enzyme Activity
<b>Notes</b>	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
<b>Storage</b>	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.
<b>Concentration</b>	1mg/ml (determined by absorbance at 280nm).

## GENE INFORMATION

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

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<b>MIM</b>	120520
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<b>UniProt ID</b>	P08473
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