

Recombinant Human MME Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MME-6249H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MME MS Standard C13 and N15-labeled recombinant protein (NP_009219) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	85.5 kDa
AA Sequence	MGKSESQMDITDINTPKPKKKQRWTPLEISLSVLVLLLTIIAVTMIALYATYDDGICKSS DCIKSAARLIQNMDATTEPCTDFFKYACGGWLKRNVIPETSSRYGNFDILRDELEVVL KDLVLEPKTEDIVAVQKAKALYRSCINESAIDSRGGEPLKLLPDIYGWPVATENWE QKYGASWTAEKAIQAQLNSKYGKKVLINLFVGTDDKNSVNHVIHIDQPRGLGPSRDYY ECTGIYKEACTAYVDFMISVARLIRQEERLPIDENQLALEMNKVMLEKEKEIANATAKPE

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DRNDPMLLYNKMTLAQIQNNFSLEINGKPFWSWLNFTNEIMSTVNI SITNEEDVVVYAP
EYLTCLKPILTKYSARDLQNLMSWRFIMDLVSSLSRITYKESRNAFRKALYGTSETAT
WRRCANVYVNGNMENAVGRLYVEAAFAGESKHVVEDLIAQIREVFIQTLDDLTWMDA
ETKKRAEEKALAIKERIGYPDDIVSNDNKLNNEYLELNYKEDEYFENIIQNLKFSQSKQ
LKKLREKVDKDEWISGAAVVNAFYSSGRNQIVFPAGILQPPFFSAQQSNSLNYGGIG
MVIGHEITHGFDDNGRNFNKGDLVDWWTQQSASNFKESQCMVYQYGNFSWDL
AGGQHLNGINTLGENIADNGGLGQAYRAYQNYIKKNGEKLLPGLDLNHKQLFFLN
AQVWCGTYRPEYAVNSIKTDVHSPGNFRIIGTLQNSAEFSEAFHCRKNSYMNPEKK
CRVWTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name MME membrane metallo-endopeptidase [Homo sapiens (human)]

Official Symbol MME

Synonyms

MME; membrane metallo-endopeptidase; neprilysin; CALLA; CD10; enkephalinase; NEP; neutral endopeptidase; atriopепtidase; skin fibroblast elastase; neutral endopeptidase 24.11; membrane metallo-endopeptidase variant 1; membrane metallo-endopeptidase variant 2; common acute lymphocytic leukemia antigen;

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membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase);
 membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA,
 CD10); SFE; MGC126681; MGC126707; DKFZp686O16152;

Gene ID [4311](#)

mRNA Refseq [NM_007288](#)

Protein Refseq [NP_009219](#)

MIM [120520](#)

UniProt ID [P08473](#)

SDS-PAGE

