

Recombinant Full Length Human MME Protein, GST-tagged

Cat. No. MME-6394HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MME full-length ORF (AAI01659.1, 1 a.a. - 750 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	750 amino acids
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. [provided by RefSeq
Molecular Mass	111.9 kDa

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AA Sequence

MGKSESQMDITDINTPKPKKKQRWTPLEISLSVLVLLLTIIAVTMIALYATYDDGICKSS
 DCIKSAARLIQNMDATTEPCTDFFKYACGGWLKRNVIPETSSRYGNFDILRDELEVVL
 KDVLQEPKTEDIVAVQKAKALYRSCINESAIDSRGGEPLLKLLPDIYGWPVATENWE
 QKYGASWTAEKAIQAQLNSKYGKKVLINLFVGTDDKNSVNHVIHIDQPRGLGPSRDYY
 ECTGIYKEACTAYVDFMISVARLIRQEERLPIDENQLALEMNKVMLEKEIANATAKPE
 DRNDPMLLYNKMTLAQIQNNFSLEINGKPFWSLNTNEIMSTVNISITNEEDVVVYAP
 EYLTCLKPILTKYSARDLQNLMSWRFIMDLVSSLSRTYKESRNAFRKALYGTTSETAT
 WRRCANVYVNGNMENAVGRLYVEAAFAGESKHVVEDLIAQIREVFIQTLDDLTWMDA
 ETKKRAEEKALAIKERIGYPDDIVSNDNKLNNLEYLELNYKEDEYFENIIQNLKFSQSKQ
 LKKLREKVDKDEWISGAADVNAFYSSGRNQIVFPAGILQPPFFSAQQSNSLNYYGGIG
 MVIGHEITHGFDDNGRNFNKDGLVDWWTQQSASNFEQSQCMVYQYGNFSWDL
 AGGQHLNGINTLGENIADNGGLGQAYRAYQNYIKKNGEEKLLPGLDLNHNKQLFFLN
 AQVWCGTYRPEYAVNSIKTDVHSPGNFRIIGTLQNSAEFSEAFHCRKNSYMNPEKK
 CRVW

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

MME membrane metallo-endopeptidase [Homo sapiens]

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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
UniProt ID	P08473

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