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**Product Data Sheet**


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Product Name: MME Human, Active

Cat. No.: GP26166

Batch No.: 1

**Product Data**

Purity &gt;98% Source Sf9,Baculovirus cells.

Physical Appearance solid Shipping Condition withIcePacks

Synonyms Membrane Metalloendopeptidase, Common Acute Lymphocytic Leukemia Antigen, Neutral Endopeptidase 24.11, Skin Fibroblast Elastase, Neutral Endopeptidase, Atriopeptidase, Enkephalinase, EC 3.4.24.11, Neprilysin, CALLA, NEP, SFE, Membrane Metallo-Endopeptidase (Neutral Endopeptidase, Enkephalinase, CALLA, CD10), Membrane Metallo-Endopeptidase Variant 1, Membrane Metallo-Endopeptidase Variant 2, Neprilysin-390, Neprilysin-411, CD10 Antigen, EC 3.4.24, CMT2T, SCA43, CD10, EPN, MME.

Amino Acid Sequence  
 ADPYDDGICK SSDCIKSAAR LIQNMDATTE PCTDFFKYAC GGWLKRNVIP  
 ETSSRYGNFD ILRDELEVVL KDVLQEPKTE DIVAVQKAKA LYRSCINESA  
 IDSRGGEPLL KLLPDIYGWP VATENWEQKY GASWTAEKAI AQLNSKYGKK  
 VLINLFGTD DKNSVNHVIH IDQPRGLPS RDYYECTGIY KEACTAYVDF  
 MISVARLIRQ EERLPIDENQ LALEMNKVME LEKEIANATA KPEDRNDPML  
 LYNKMTLAQI QNNFSLEING KPFSWLNFTN EIMSTVNISIT NEEDVVVYAP  
 EYLTKLKPI LTKYSARDLQ NLMSWRFIMD LVSSLSRTYK ESRNAFRKAL  
 YGTTSETATW RRCANYVNGN MENAVGRLYV EAAFAGESKH VVEDLIAQIR  
 EVFIQTLDDL TWMDAETKKR AEEKALAIKE RIGYPDDIVS NDNKLNNEYL  
 ELNYKEDEYF ENIIQNLKFS QSKQLKKLRE KVDKDEWISG AAVVNAFYSS  
 GRNQIVFPAG ILQPPFFSAQ QSNSLNYGGI GMVIGHEITH GFDDNGRNFN  
 KDGDLDVDDWT QQSASNFKEQ SQCMVYQYGN FSWDLAGGQH LNGINTLGEN  
 IADNGGLGQA YRAYQNYIKK NGEKLLPGL DLNHNKQLFFL NFAQVWCGTY  
 RPEYAVNSIK TDVHSPGNFR IIGTLQNSAE FSEAFHCRKN SYMNPEKKCR  
 VWHHHHHH

Formulation The MME solution (1mg/ml) contains 10% Glycerol, 20 mM Tris-HCl buffer (pH 8.0), 0.1mM PMSF and 100mM NaCl.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Introduction

Neutral endopeptidase (NEP) is an enzyme located in the cell membrane (bound to it) that is able to dissolve biologically active proteins and is expressed on the surface of lymphoid progenitors, human podocytes, syncytiotrophoblastic cells, and many other epithelial cells including polymorphonuclear leukocytes.

### Biological Activity

Specific activity > 5,000 pmol/min/ug. One unit will convert 1.0 pmole of Mca-SEVNLDAEFRK(Dnp)RR-NH<sub>2</sub> to MCA- Pro-Leu-OH per minute, at pH 8.8 at 25°C.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

MME Human produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 708 amino acids (52-750 aa) and having a molecular mass of 80.9kDa. MME is fused to a 6 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

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