

32-6845: MME Human, Active

Application :	Functional Assay
Alternative Name :	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.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

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.

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. Å

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The MME solution (1mg/ml) contains 10% Glycerol, 20 mM Tris-HCl buffer (pH 8.0), 0.1mM PMSF and 100mM NaCl.
Storage condition :	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.
Amino Acid :	ADPYDDGICK SSDCIKSAAR LIQNMDATTE PCTDFFKYAC GGWLKRNVIP ETSSRYGNFD ILRDELEVVL KDVLPQPKTE DIVAVQKAKA LYRSCINESA IDSRGGPELL KLLPDIYGWP VATENWEQKY GASWTAEKAI AQLNSKYGKK VLINLFVGTD DKNSVNHVIH IDQPRGLPS RDYECTGIY KEACTAYVDF MISVARLIRQ EERLPIDENQ LALEMNKVME LEKEIANATA KPEDRNDPML LYNKMTLAQI QNNFSLEING KPFSWLNFTN EIMSTVNISIT NEEDVVVYAP EYLTKLPI LTKYSARDLQ NLMSWRFIMD LVSSLSRTYK ESRNAFRKAL YGTTSETATW RRCANYVNGN MENAVGRLYV EAAFAGESKH VVEDLIAQIR EVFIQTLDDL TWMDAETKKR AEEKALAIKE RIGYPDDIVS NDNKLNNEYL ELNYKEDEYF ENIIQNLKFS QSKQLKLRV KVDKDEWISG AAVVNAFYSS GRNQIVFPAG ILQPPFFSAQ QSNSLNYGGI GMVIGHEITH GFDDNGRNFN KDGDLDVWWT QQSASNFKEQ SQCMVYQYGN FSWDLAGGQH LNGINTLGEN IADNGGLGQA YRAYQNYIKK NGEKLLPGL DLNHHKQLFFL NFAQVWCGTY RPEYAVNSIK TDVHSPGNFR IIGTLQNSAE FSEAFHCRKN SYMNPCKCR VWHHHHHH

Application Note

Specific activity > 5,000 pmol/min/ug. One unit will convert 1.0 pmole of Mca-SEVNLDAEFRK(Dnp)RR-NH₂ to MCA- Pro-Leu-OH per minute, at pH 8.8 at 25°C.