

RPPB1949

Product Information Protein Information

Product SKU:

RPPB1949

Accession:

P08473

Host:

Sf9, Baculovirus cells.

Protein description:

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 9 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

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.

Formulation:

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

Purity:

Greater than 95.0% as determined by SDS-PAGE.

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.

Amino Acid Sequence:

ADPYDDGICK SSDCIKSAAR LIQNMDATTE PCTDFFKYAC GGWLKRNVIP ETSSRYGNFD ILRDELEVVL
KDLVLEPKTE DIVAVQKAKA LYRSCINESA IDSRGGEPLL KLLPDIYGWP VATENWEQKY GASWTAEKAI
AQLNSKYGKK VLINLFGTD DKNSVNHVIH IDQPRGLPS RDYECTGIY KEACTAYVDF MISVARLIRQ
EERLPIDENQ LALEMNKVME LEKEIANATA KPEDRNDPML LYNKMTLAQI QNNFSLEING KPFSWLNFTN
EIMSTVNISIT NEEDVVVYAP EYLTKLKPI LTKYSARDLQ NLMSWRFIMD LVSSLSRTYK ESRNAFRKAL
YGTSETATW RRCANYVNGN MENAVGRLYV EAAFAGESKH VVEDLIAQIR EVFIQTLDDL TWMDAETKKR
AEEKALAIKE RIGYPDDIVS NDNKLNNEYL ELNYKEDEYF ENIIQNLKFS QSKQLKKLRE KVDKDEWISG
AAVNAFYSS GRNQIVFPAG ILQPPFFSAQ QSNLSNYGGI GMVIGHEITH GFDDNGRNFN KDGDLDVDDWT
QQSASNFKEQ SQCMVYQYGN FSWDLAGGQH LNGINTLGEN IADNGGLGQA YRAYQNYIKK NGEEKLLPGL
DLNHHKQLFFL NFAQVWCGTY RPEYAVNSIK TDVHSPGNFR IIGTLQNSAE FSEAFHCRKN SYMNPCKCR
VWHHHHHH

Biological Activity:

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 25C°.