



Recombinant Human Neprilysin (MME), partial

Product Code	CSB-MP014653HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P08473
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	YDDGICKSS DCIKSAARLI QNMDATTEPC TDFFKYACGG WLKRNVIPET SSRYGNFDIL RDELEVVLKD VLQEPKTEDI VAVQKAKALY RSCINESAID SRGGEPLLKL LPDIYGWPVA TENWEQKYGA SWTAEKAIQ LNSKYGKKVL INLFGTDDK NSVNHVIHID QPRLGLPSRD YYECTGIYKE ACTAYVDFMI SVARLIRQEE RLPIDENQLA LEMNKVMELE KEIANATAKP EDRNDPMLLY NKMTLAQIQN NFSLEINGKP FSWLNFTNEI MSTVNISITN EEDVVVYAPE YLTKLPILT KYSARDLQNL MSWRFIMDLV SSLSRTYKES RNAFRKALYG TTSETATWRR CANYVNGNME NAVGRLYVEA AFAGESKHVV EDLIAQIREV FIQTLDDLTW MDAETKKRAE EKALAIKERI GYPDDIVSND NKLNNEYLEL NYKEDEYFEN IIQNLKFSQS KQLKKLREKV DKDEWISGAA VVNAFYSSGR NQIVFPAGIL QPPFFSAQQS NSLNYGGIGM VIGHEITHGF DDNGRNFNKD GDLVDWWTQQ SASNFKEQSQ CMVYQYGNFS WDLAGGQHLN GINTLGENIA DNGGLGQAYR AYQNYIKKNG EEKLLPGLDL NHKQLFFLNF AQVWCGTYRP EYAVNSIKTD VHSPGNFRII GTLQNSAEFS EAFHCRKNSY MNPEKKCRVW
Source	Mammalian cell
Target Names	MME
Protein Names	Recommended name: Neprilysin EC= 3.4.24.11 Alternative name(s): Atriopeptidase Common acute lymphocytic leukemia antigen Short name= CALLA Enkephalinase Neutral endopeptidase 24.11 Short name= NEP Short name=
Expression Region	52-750
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Partial
Target Details	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.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.