

Neprilysin active protein

Recombinant Neprilysin

CATALOG # AAA48320	HOST Baculovirus	APPLICATIONS SDS-Page
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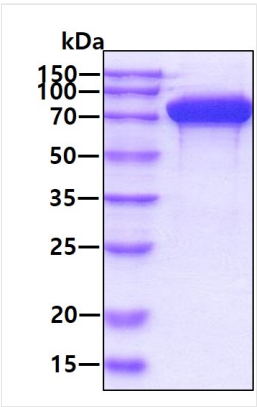
PRODUCT SYNONYMS

Neprilysin; Recombinant Neprilysin; MME; CALLA; CD10; CMT2T; NEP; SCA43; SFE; Atriopeptidase; Common acute lymphocyticleukemia antigen; Enkephalinase; Neutral endopeptidase; Skin fibroblast elastase; Neprilysin active protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	> 95% by SDS - PAGE
Form/Format	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 100mM NaCl, 0.1mM PMSF, 10% glycerol.
Concentration	1mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence	YDDGI CKSSDCIKSA ARLIQNMDAT TEPCTDFFKY ACGGWLKRNV IPETSSRYGN FDILRDELEV VLKDVLPQEPK TEDIVAVQKA KALYRSCINE SAIDSRGGEP LLKLLPDIYG WPVATENWEQ KYGASWTAEK AIAQLNSKYG KKVLINLFVG TDDKNSVNHV IHIDQPRGL PSRDYYECTG IYKEACTAYV DFMISVARLI RQEERLPIDE NQLALEMNKV MELEKEIANA TAKPEDRNDP MLLYNKMTLA QIQNNFSLEI NGKPFSWLN TNEIMSTVNI SITNEEDVVV YAPEYLTCLK PILTKYSARD LQNLMSWRFI MDLVSSLSRT YKESRNAFRK ALYGTTSETA TWRRCANVYN GNMENAVGRL YVEAAFAGES KHVEDLIAQ IREVFQITLD DLTWMDAETK KRAEEKALAI KERIGYPDDI VSNDNKLNNE YLELNYKEDE YFENIIQNLK FSQSKQLKKL REKVDKDEWI SGAADVNAFY SSGRNQIVFP AGILQPPFFS AQQSNSLNYG GIGMVGHEI THGFDDNGRN FNKDGDLDVW WTQQSASNFK EQSQCMVYQY GNFSWDLAGG QHLNGINTLG ENIADNGGLG QAYRAYQNYI KKNGEKKLLP GLDLNHHKQLF FLNFAQVWCG TYRPEYAVNS IKTDVHSPGN FRIIGTLQNS AEFSEAFHCR KNSYMNPEKK CRVW
Sequence Length	750
Applicable Applications for Neprilysin active protein	Enzyme Activity, SDS-PAGE
Tag	His-Tag
Biological Activity	Specific activity is > 5,000 pmol/min/ug in which one unit will convert 1.0 pmole of Mca-SEVNLDAEFRK(Dnp)RR-NH ₂ to MCA- Pro-Leu-OH per minute at pH 8.8 at 25C.
Domain	52-750aa
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Preparation and Storage	Aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE
3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for Neprilysin active protein	Neprilysin, also known as MME, is a zinc metallopeptidase expressed at the cell surface of a variety of cells. It degrades the amyloid beta peptide whose abnormal misfolding and aggregation in neural tissue has been implicated as a cause of Alzheimer's disease. It is expressed in a wide variety of tissues and is particularly abundant in kidney. It is also a common acute lymphocytic leukemia antigen that is an important cell surface marker in the identification of human acute lymphocytic leukemia (ALL). It is of use in hematological identification since it is expressed by early B, pro-B and pre-B lymphocytes, and by lymph node germinal centers. Recombinant human neprilysin, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for Neprilysin active protein	Immunology
References	Auer-Grumbach M., et al. (2016) Am J Hum Genet. 99:607-623.;;Hama E., et al. (2005) Med Hypotheses. 65:498-500.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116256329
NCBI GeneID	4311
NCBI Accession #	NP_000893.2
NCBI GenBank Nucleotide #	NP_000893.2
UniProt Accession #	P08473
Molecular Weight	80.9kDa (708aa)
NCBI Official Full Name	neprilysin isoform a
NCBI Official Synonym Full Names	membrane metalloendopeptidase
NCBI Official Symbol	MME
NCBI Official Synonym Symbols	NEP; SFE; CD10; CALLA; CMT2T; SCA43
NCBI Protein Information	neprilysin
UniProt Protein Name	Neprilysin
UniProt Gene Name	MME
UniProt Synonym Gene Names	EPN; CALLA; NEP; Neutral endopeptidase; SFE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/baculovirus-active-protein/neprilysin/48320>