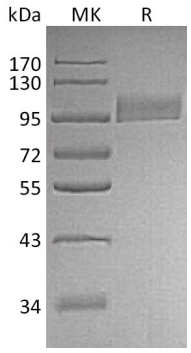
Product Name: Recombinant Human Neprilysin (N-8His)
Catalog #: PHH1205

Summary

Name	Neprilysin/CD10
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Neprilysin is produced by our Mammalian expression system and the target gene encoding Tyr52-Trp750 is expressed with a 8His tag at the N-terminus.
Accession #	P08473
Host	Human Cells
Species	Human
Predicted Molecular Mass	80.9 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Neprilysin; Atriopeptidase; Common acute lymphocytic leukemia antigen; CALLA; Enkephalinase; Neutral endopeptidase 24.11; NEP; Neutral endopeptidase; Skin fibroblast elastase; SFE; CD10; MME; EPN

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Background	Neprilysin/CD10(NEP) is a zinc metallopeptidase expressed at the cell surface of a variety of cells. The functions is both as an endopeptidase with a thermolysin-like specificity and as a dipeptidyl-carboxypeptidase. NEP has been shown to be involved in the degradation of enkephalins in the mammalian brain and the inactivation of circulating atrial natriuretic peptide. NEP has also been identified as the common acute lymphocytic leukemia antigen (CALLA), and is expressed on the surface of lymphocytes in some disease states. These and other observations have resulted in considerable interest in NEP as a target for analgesics and antihypertensive drugs. NEP is also a major degrading enzyme of amyloid β peptide (Aβ) in the brain, indicating that down-regulation of NEP activity, which could be caused by aging, can contribute to the development of Alzheimer' s disease by promoting Aβ accumulation.

Note

For Research Use Only , Not for Diagnostic Use.