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Recombinant Human APN Protein (C-6His)

Catalog #	EPT136
Expression Host	Human Cells
DESCRIPTION	Recombinant Human Aminopeptidase N is produced by our Mammalian expression system and the target gene encoding Lys69-Lys967 is expressed with a 6His tag at the C-terminus.
Accession	P15144
Synonyms	Aminopeptidase N; ANPEP; AP-M; APN; AP-N; CD13 antigen; CD13; CD13APN; PEPN; PEPNhAPN
Mol Mass	103.5 KDa
AP Mol Mass	110-130 KDa, reducing conditions
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Endotoxin	
FORMULATION	Supplied as a 0.2 μm filtered solution of PBS, 5% Trehalose, pH 7.4.
RECONSTITUTION	

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SHIPPING

The product is shipped on dry ice/polar packs.

Upon receipt, store it immediately at the temperature listed below.

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.

BACKGROUND

ANPEP gene encodes aminopeptidase N (APN) also known as microsomal aminopeptiase, alanyl aminopeptidase, aminopeptidase M, CD13, or membrane protein p161, is a member of the peptidase M1 family. Widely expressed in many cells, tissues and species, APN cleaves the N-terminal amino acids from bioactive peptides, leading to their inactivation or degradation. Probably plays a role in regulating growth and differentiation of early B-lineage cells. It also may play a role in the catabolic pathway of the renin-angiotensin system. It degrades vasoconstricting angiotensin II into angiotensin III and therefore helps to regulate blood pressure.

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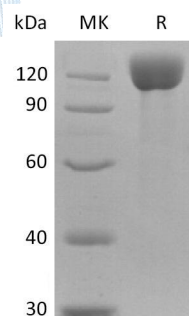

SDS-PAGE

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