Datasheet for ABIN7195940

ENPEP Protein (His tag)

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1 Image

Overview

Quantity:	50 µg
Target:	ENPEP
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ENPEP protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse ENPEP/Aminopeptidase A Protein (His Tag)(Active)
Sequence:	Arg41-Pro945
Characteristics:	A DNA sequence encoding the mature form of mouse ENPEP (P16406) (Arg41-Pro945) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 91 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to cleave the fluorogenic peptide substrate, Glu-7-amido-4-methyl coumarin.The specific activity is > 200 pmoles/min/µg.

Target Details

Target:	ENPEP

Target Details

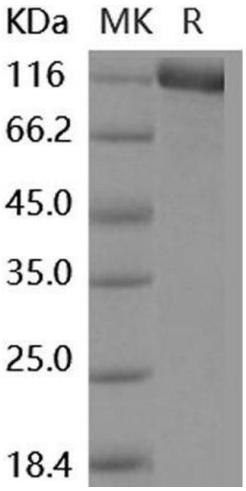
Alternative Name:	ENPEP/Aminopeptidase A (ENPEP Products)
Background:	Background: ENPEP, also known as aminopeptidase A, is a member of the peptidase M1 family. Members of this family are involved in response to cadmium ion and proteolysis. They located in 6 components and are expressed in 26 plant structures. ENPEP is expressed by epithelial cells of the proximal tubule cells and the glomerulus of the nephron. It also can be detected in a variety of other tissues. ENPEP 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. ENPEP is a zinc-dependent membrane-bound aminopeptidase that catalyzes the cleavage of glutamatic and aspartatic amino acid residues from the N-terminus of polypeptides. It degrades vasoconstricting angiotensin II into angiotensin III and therefore helps to regulate blood pressure. Synonym: 6030431M22Rik,APA,Bp-1/6C3,ENPEP,Ly-51,Ly51
Molecular Weight:	106 kDa
UniProt:	P16406
Pathways:	Peptide Hormone Metabolism, Regulation of Systemic Arterial Blood Pressure by Hormones

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting
Image 1.

