

Datasheet for ABIN7197520

PREP Protein (His tag)[Go to Product page](#)**1** Image

Overview

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

Product Details

Purpose:	Recombinant Mouse Prolyl endopeptidase/PREP Protein (His Tag)
Sequence:	Leu2-Gln710
Characteristics:	A DNA sequence encoding the mature form of mouse PREP (Q9QUR6) (Leu2-Gln710) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	PREP
Alternative Name:	Prolyl endopeptidase/PREP (PREP Products)
Background:	Background: Prolyl endopeptidase, also known as PREP, belongs to a distinct class of serine peptidases. It is a large cytosolic enzyme which was first described in the cytosol of rabbit brain as an oligopeptidase. Prolyl endopeptidase degrades the nonapeptide bradykinin at the Pro-Phe

Target Details

bond. It is involved in the maturation and degradation of peptide hormones and neuropeptides such as alpha-melanocyte-stimulating hormone, luteinizing hormone-releasing hormone (LH-RH), thyrotropin-releasing hormone, angiotensin, neurotensin, oxytocin, substance P and vasopressin. Prolyl endopeptidase's activity is confined to action on oligopeptides of less than 10 kD and it has an absolute requirement for the trans-configuration of the peptide bond preceding proline. It cleaves peptide bonds at the C-terminal side of proline residues.

Synonym: AI047692, AI450383, D10Wsu136e, PEP, Pop

Molecular Weight: 82.9 kDa

UniProt: [Q9QUR6](#)

Application Details

Restrictions: For Research Use only

Handling

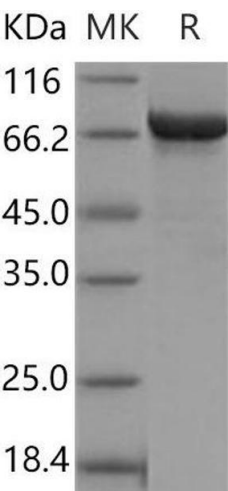
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 7.4, 10 % glycerol, 3 mM DTT

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.