

[Go to Product page](#)

Datasheet for ABIN7318751 PRCP Protein (His tag)

Overview

Quantity:	50 µg
Target:	PRCP
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRCP protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PRCP Protein (His Tag)
Sequence:	Leu22-His496
Characteristics:	Recombinant Human Lysosomal Pro-X Carboxypeptidase is produced by our Mammalian expression system and the target gene encoding Leu22-His496 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PRCP
Alternative Name:	PRCP (PRCP Products)
Background:	Background: Lysosomal Pro-X Carboxypeptidase (PRCP) belongs to the peptidase S28 family. PRCP is detected in many tissues, with highest levels observed in placenta, lung, and liver. It is

Target Details

also present in the heart, brain, pancreas, and kidney. PRCP exists as a homodimer. PRCP cleaves C-terminal amino acids linked to proline in peptides such as angiotensin II, III and des-Arg9-bradykinin. This cleavage occurs at acidic pH , but enzymatic activity is retained with some substrates at neutral pH . PRCP has been shown to be an activator of the cell matrix-associated prekallikrein.

Synonym: Lysosomal Pro-X Carboxypeptidase, Angiotensinase C, Lysosomal Carboxypeptidase C, Proline Carboxypeptidase, Prolylcarboxypeptidase, PRCP, PRCP, PCP

Molecular Weight: 54.5 kDa

UniProt: [P42785](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM NaAc-HAc, 150 mM NaCl, 10 % Glycerol, pH 4.5.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.