

RP03204LQ

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Recombinant Human PRCP Protein

Catalog No.: RP03204LQ

Recombinant

Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human | 5547 | P42785 |

Tags

C-His

Synonyms

Lysosomal Pro-X Carboxypeptidase;
Angiotensinase C; Lysosomal
Carboxypeptidase C; Proline
Carboxypeptidase;
Prolylcarboxypeptidase; PRCP; PRCP; PCP

Product Information

| Source | Purification |
|--------------|--------------------|
| HEK293 cells | > 95% by SDS-PAGE. |

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Supplied as a 0.2 μm filtered solution of
20mM NaAc-HAc, 150mM NaCl, 10%
Glycerol, pH4.5.

Reconstitution

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 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.

Basic Information

Description

Recombinant Human PRCP Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu22-His496) of Human PRCP (Accession #NP_005031.1) fused with 6×His tag at the C-terminus.

Bio-Activity

Storage

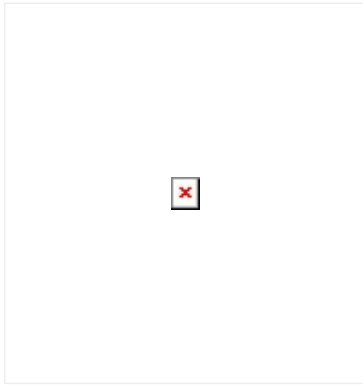
This product is stable at ≤ -70°C for up to 6 months from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Human PRCP Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 60-80 kDa.