

Product Name: Recombinant Human PRCP (C-6His)
Catalog #: PHH0158

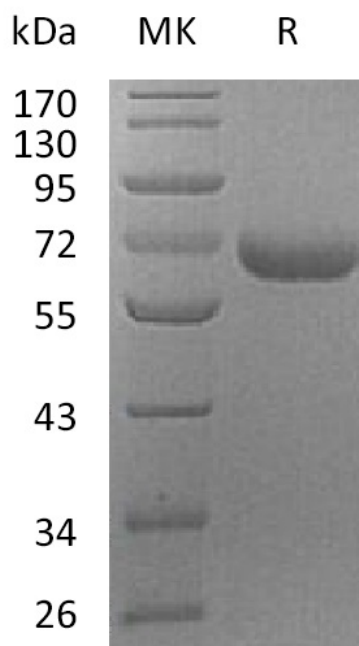


Summary

Name	PRCP/BMP-1/PCP
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P42785
Host	Human Cells
Species	Human
Predicted Molecular Mass	54.5 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM NaAc-HAc, 150mM NaCl, 10% Glycerol, pH4.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&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.
Reconstitution	

SDS-PAGE image

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Alternative Names

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

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.

Note

For Research Use Only , Not for Diagnostic Use.