

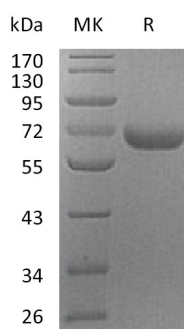
**Product Name: Recombinant Human PRCP (C-6His)**  
**Catalog #: PHH0158**



## Summary

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

## SDS-PAGE image



## Background

<b>Alternative Names</b>	Lysosomal Pro-X Carboxypeptidase; Angiotensinase C; Lysosomal Carboxypeptidase C; Proline Carboxypeptidase; Prolylcarboxypeptidase; PRCP; PRCP; PCP
<b>Background</b>	Lysosomal Pro-X Carboxypeptidase (PRCP) belongs to the peptidase S28 family.

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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.