

Product datasheet for **TP726982**

PRCP Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Lysosomal Pro-X Carboxypeptidase/PRCP (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Leu22-His496
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM NaAc-HAc, 150mM NaCl, 10% Glycerol, pH4.5.
Note:	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.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Locus ID:	5547
UniProt ID:	P42785
Synonyms:	Lysosomal Pro-X Carboxypeptidase; Angiotensinase C; Lysosomal Carboxypeptidase C; Proline Carboxypeptidase; Prolylcarboxypeptidase; PRCP; PCP
Summary:	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.
Protein Families:	Druggable Genome, Protease, Transmembrane



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