

PRODUCT INFORMATION

Target	PRCP
Synonyms	HUMPCP; PCP
Description	Purified recombinant protein of Human prolylcarboxypeptidase (angiotensinase C) (PRCP), transcript variant 1, with N-terminal HIS tag, expressed in E.Coli, 50ug
Delivery	2-3 weeks
Uniprot ID	P42785
Expression Host	E. coli
Tag	N-His
Molecular Characterization	N/A
Molecular Weight	53.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Formulation & Reconstitution	50mM Tris, 8M Urea, pH8.0.
Storage & Shipping	Store at -80°C.
Background	<p>This gene encodes a member of the peptidase S28 family of serine exopeptidases. The encoded preproprotein is proteolytically processed to generate the mature lysosomal prolylcarboxypeptidase. This enzyme cleaves C-terminal amino acids linked to proline in peptides such as angiotension II, III and des-Arg9-bradykinin. The cleavage occurs at acidic pH, but the enzyme activity is retained with some substrates at neutral pH. This enzyme has been shown to be an activator of the cell matrix-associated prekallikrein. The importance of angiotension II, one of the substrates of this enzyme, in regulating blood pressure and electrolyte balance suggests that this gene may be related to essential hypertension. A pseudogene of this gene has been identified on chromosome 2. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Jan 2016]</p>
Usage	Research use only
Conjugate	Unconjugated

