

## Recombinant Full Length Human PRCP Protein, His-tagged

Cat. No. PRCP-653H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PRCP, transcript variant 1, fused with His tag at N-terminal was expressed in E. coli.                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 1-496 a.a.                                                                                                                                                                                                                  |
| <b>Description</b>      | 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. |
| <b>Form</b>             | 50mM Tris, 8M Urea, pH8.0.                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 53.4 kDa                                                                                                                                                                                                                    |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                 |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                            |

### GENE INFORMATION

|                  |                                                                 |
|------------------|-----------------------------------------------------------------|
| <b>Gene Name</b> | PRCP prolylcarboxypeptidase (angiotensinase C) [ Homo sapiens ] |
|------------------|-----------------------------------------------------------------|

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|                        |                                                                                                                                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Official Symbol</b> | <a href="#">PRCP</a>                                                                                                                                                                                                               |
| <b>Synonyms</b>        | PRCP; prolylcarboxypeptidase (angiotensinase C); lysosomal Pro-X carboxypeptidase; HUMPCP; PCP; angiotensinase C; proline carboxypeptidase; lysosomal carboxypeptidase C; prolylcarboxypeptidase isoform 1 preproprotein; MGC2202; |
| <b>Gene ID</b>         | <a href="#">5547</a>                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>     | <a href="#">NM_005040</a>                                                                                                                                                                                                          |
| <b>Protein Refseq</b>  | <a href="#">NP_005031</a>                                                                                                                                                                                                          |
| <b>MIM</b>             | <a href="#">176785</a>                                                                                                                                                                                                             |
| <b>UniProt ID</b>      | <a href="#">P42785</a>                                                                                                                                                                                                             |

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