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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PRCP (Human) Recombinant Protein (P02)

Catalog Number: H00005547-P02

Regulation Status: For research use only (RUO)

Product Description: Human PRCP full-length ORF (NP_005031.1, 1 a.a. - 496 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MGRRALLLLLLSFLAPWATIALRPALRALGSLHLPTNPT
SLPAVAKNYSVLYFQQKVDHFGFNTVKTFNQRYLVAD
KYWKKNNGGSILFYTGNEGDIIWFCNNTGFMWDVAEEL
KAMLVFAEHRYYGESLPGDNSFKDSRHLNFLTSEQA
LADFAELIKHLKRTIPGAENQPVIAIGGSYGGMLAAWF
RMKYPHMVVGALAASAPIWQFEDLVPCGVFMKIVTTD
FRKSGPHCSESIHRSWDAINRLSNTGSLQWLTGALH
LCSPLTSQDIQHLKDWISETWVNLAMVDYPYASNFLQ
PLPAWPIKVVCCQYLKNPNVSDSLLLQNIQALNVYYNY
SGQVKCLNISEATSSLGTLGWSYQACTEVVMPFCTN
GVDDMFEPHSWNLKELSDDCFQQWGVRRPRPSWITT
MYGGKNISSHTNIVFSNGELDPWGGGVTKDITDLVA
VTISEGAHHLDLRTKNALDPMSVLLARSLEVRHMKNWI
RDFYDSAGKQH

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 82.2

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5547

Gene Symbol: PRCP

Gene Alias: HUMPCP, MGC2202, PCP

Gene Summary: The protein encoded by this gene is a lysosomal prolylcarboxypeptidase, which 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. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]