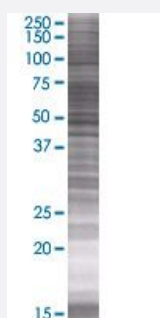


PRCP 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005547-T01

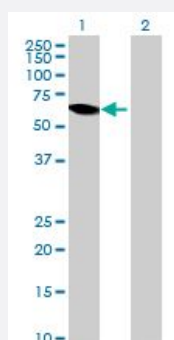
Size 100 uL

Applications



SDS-PAGE Gel

PRCP transfected lysate.



Western Blot

Lane 1: PRCP transfected lysate (55.8 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PRCP full-length
Host	Human
Theoretical MW (kDa)	55.8
Interspecies Antigen Sequence	Mouse (78); Rat (79)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PRCP antibody ([H00005547-B01](#)) by Western Blots.
SDS-PAGE Gel
PRCP transfected lysate.
Western Blot
Lane 1: PRCP transfected lysate (55.8 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

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

Applications

- Western Blot

Gene Info — PRCP

Entrez GeneID

[5547](#)

GeneBank Accession#

[NM_005040](#)

Protein Accession#

[NP_005031](#)

Gene Name

PRCP

Gene Alias

HUMPCP, MGC2202, PCP

Gene Description

prolylcarboxypeptidase (angiotensinase C)

Omim ID

[176785](#)

Gene Ontology

[Hyperlink](#)

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]

Other Designations

angiotensinase C|lysosomal Pro-x carboxypeptidase|lysosomal carboxypeptidase C|proline carboxypeptidase|prolylcarboxypeptidase|prolylcarboxypeptidase isoform 1 preproprotein

Disease

- [Cardiovascular Diseases](#)
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- [Edema](#)
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- [Genetic Predisposition to Disease](#)
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