



Recombinant Mouse Lysosomal Pro-X carboxypeptidase (Prpcp)

Product Code	CSB-EP763098MO-B
Abbreviation	Prpcp
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q7TMR0
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	RKYSVLY FEQKVDHFGF ADMRTFKQRY LVADKHWQRN GGSILFYTGN EGDIVWFCNN TGFMWVDAEE LKAMLVFAEH RYYGESLPFG QDSFKDSQHL NFLTSEQALA DFAELIRHLE KTIPGAQQQP VIAIGGSYGG MLAAWFRMKY PHIVVGALAA SAPIWQLDGM VPCGEFMKIV TNDFRKSGPY CSESIRKSWN VIDKLSGSGS GLQSLTNILH LCSPLTSEKI PTLKGWIAET WVNLMVNYP YACNFLQPLP AWPIKEVCQY LKNPNVSDTV LLQNIQALS VYYNYSQGAA CLNISQTTTS SLGSMGWSFQ ACTEMVMPFC TNGIDDMFEP FLWDLEKYSN DCFNQWGVKP RPHWMTTMYG GKNISSHSNI IFSNGELDPW SGGGVTRDIT DTLVAINIHD GAHHLDLRAH NAFDPSSVLL SRLLEVKHMK KWILDFYSNI Q
Source	E.coli
Target Names	Prpcp
Protein Names	Recommended name: Lysosomal Pro-X carboxypeptidase EC= 3.4.16.2 Alternative name(s): Proline carboxypeptidase Prolylcarboxypeptidase Short name= PRCP
Expression Region	44-491
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein 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.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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