Recombinant Human Lysosomal Pro-X carboxypeptidase (PRCP)

Product Code	CSB-MP018636HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P42785
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	KNYSV LYFQQKVDHF GFNTVKTFNQ RYLVADKYWK KNGGSILFYT GNEGDIIWFC NNTGFMWDVA EELKAMLVFA EHRYYGESLP FGDNSFKDSR HLNFLTSEQA LADFAELIKH LKRTIPGAEN QPVIAIGGSY GGMLAAWFRM KYPHMVVGAL AASAPIWQFE DLVPCGVFMK IVTTDFRKSG PHCSESIHRS WDAINRLSNT GSGLQWLTGA LHLCSPLTSQ DIQHLKDWIS ETWVNLAMVD YPYASNFLQP LPAWPIKVVC QYLKNPNVSD SLLLQNIFQA LNVYYNYSGQ VKCLNISETA TSSLGTLGWS YQACTEVVMP FCTNGVDDMF EPHSWNLKEL SDDCFQQWGV RPRPSWITTM YGGKNISSHT NIVFSNGELD PWSGGGVTKD ITDTLVAVTI SEGAHHLDLR TKNALDPMSV LLARSLEVRH MKNWIRDFYD SAGKQH
Source	Mammalian cell
Target Names	PRCP
Protein Names	Recommended name: Lysosomal Pro-X carboxypeptidase EC= 3.4.16.2 Alternative name(s): Angiotensinase C Lysosomal carboxypeptidase C Proline carboxypeptidase Prolylcarboxypeptidase Short name= PRCP
Expression Region	46-496
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	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.