

32-7767: Recombinant Human Lysosomal Pro-X Carboxypeptidase/PRCP (C-6His)

Gene : PRCP
Gene ID : 5547
Uniprot ID : P42785

Description

Source: Human Cells.
MW :54.5kD.

Recombinant Human Lysosomal Pro-X Carboxypeptidase is produced by our Mammalian expression system and the target gene encoding Leu22-His496 is expressed with a 6His tag at the C-terminus. Lysosomal Pro-X Carboxypeptidase (PRCP) belongs to the peptidase S28 family. PRCP is detected in many tissues, with highest levels observed in placenta, lung, and liver. It is also present in the heart, brain, pancreas, and kidney. PRCP exists as a homodimer. PRCP 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. PRCP has been shown to be an activator of the cell matrix-associated prekallikrein.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM NaAc-HAc,150mM NaCl,10%Glycerol,pH4.5.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : LRPALRALGSLHLPTNPTSLPAVAKNYSVLYFQQKVDHFGFNTVKTFFNQRYLVADKYWKKNGGSILFYTGNEGD
IIWFCNNTGFMWDVAEELKAMLVFAEHRYGESLPFGDNSFKDSRHLNFLTSEQALADFAELIKHLKRTIPGAEN
QPVIAIGGSYGGMLAAWFRMKYPHMVVGGALAASAPIWQFEDLVPCGVFMKIVTTDFRKSGPHCSESIHRSWDA
INRLSNTGSGLQWLTGALHLCSPLTSQDIQHLKDWISETWVNLAMVDYPYASNFLQPLPAWPIKVVCCQYLKPNP
VSDSLLLQNIQALNVYYNYSGQVKCLNISEATATSSLGLTGWYSYQACTEVVMPFCTNGVDDMFEPHSWNLKEL
SDDCFQQWGVRRPSWITTMYGKKNISSHTNIVFSNGELDPWSGGGVTKDITDTLVAVTISEGAHHLDLRTRKN
ALDPMSVLLARSLEVRHMKNWIRDFYDSAGKQHVDHHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.