✖ abeomics

9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-7532: Recombinant Human Carboxypeptidase A1/CPA1 (C-6His)(Discontinued)

Gene :   CPA1
Gene ID :   1357
Uniprot ID : P15085

Description

Source: Human Cells.
MW :46.57kD.
Recombinant Human Carboxypeptidase A1 is produced by our Mammalian expression system and the target gene encoding Lys17-Tyr419 is expressed with a 6His tag at the C-terminus. Carboxypeptidase A1 (CPA1) is secreted as a pancreatic peptidase that comes from the precursor form of inactive procarboxypeptidase. CPA1 comprises a signal peptide, a pro region and a mature chain, and can be activated after cleavage of the pro peptide. It has a free C-terminal carboxyl group, with the preference of residues with aromatic or branched aliphatic side chains. CPA1 cleaves the C-terminal amide or ester bond of peptides and involves in zymogen inhibition. Three different forms of human pancreatic procarboxypeptidase A have been isolated. In contrast to procarboxypeptidase B which was always secreted by the pancreas as a monomer, procarboxypeptidase A occurs as a monomer and/or associated to one or two functionally different proteins, such as zymogen E.

Product Info

Amount :   10 µg / 50 µg
Content :   Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mm NaCl, pH 7.5.
Storage condition :   Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid :   KEDFVGHQVLRISVADEAQVQKVKELEDLEHLQLDFWRGPAHPGSPIDVRVPFPSIQAVKIFLESHGISYETMIE
DVQSLLDEEQEQMFAFRSRARSTDTFNYATYHTLEEIYDFLDLLVAENPHLVSKIQIGNTYEGRPIYVLKFSTGGS
KRPAIWIDTGIHSREWVTQASGVWFAKKITQDYGQDAAFTAILDTLDIFLEIVTNPDGFAFTHSTNRMWRKTRS
HTAGSLCIGVDPNRNWDAGFGLSGASSNPCSETYRGKFANSEVEVKSIVDFVKDHGNIKAFISIHSYSQLLMYPY
GYKTEPVPDQDELDQLSKAAVTALASLYGTKFNYGSIIKAIYQASGSTIDWTYSQGIKYSFTFELRDTGRYGFLLP
ASQIIPTAKETWLALLTIMEHTLNHPYVDHHHHHH

Application Note

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