32-7762: Recombinant Human Carboxypeptidase B2/CPB2 (C-6His)

Gene : CPB2
Gene ID : 1361
Uniprot ID : Q96IY4

Description

Source: Human Cells.
MW :47kD.
Recombinant Human Carboxypeptidase B2 is produced by our Mammalian expression system and the target gene encoding Phe23-Val423 is expressed with a 6His tag at the C-terminus. Carboxypeptidase B2 (CPB2) is a secreted enzyme that belongs to the peptidase M14 family. CPB2 is synthesized by the liver and circulates in the plasma as a plasminogen-bound zymogen by the liver and circulates in the plasma as a plasminogen-bound zymogen. CPB2 cleaves C-terminal arginine or lysine residues from biologically active peptides, such as kinins or anaphylatoxins, in the circulation regulating their activities. CPB2 also down-regulates fibrinolysis by removing C-terminal lysine residues from fibrin that has already been partially degraded by plasmin. CPB2 exhibits carboxypeptidase activity when it is activated by proteolysis at residue Arg92 of the thrombin/thrombomodulin complex. Activated CPB2 reduces fibrinolysis by removing the fibrin C-terminal residues that are important for the binding and activation of plasminogen.

Product Info

Amount :	10 µg / 50 µg
Content :	Supplied as a 0.2 µm filtered solution of 20mM TrisHCl,150mM NaCl,1mM ZnCl2,10%Glycerol,pH7.5.
Storage condition :	Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid :	FQSGQVLAALPRTSRQVQVLQNLTTTYEIVLWQPVTADLIVKKKQVHFFVNASDVDNVKAHLNVSGIPCSVLLA DVEDLIQQQISNDTVSPRASASYYEQYHSLNEIYSWIEFITERHPDMLTKIHIGSSFEKYPLYVLKVSGKEQAAKN AIWIDCGIHAREWISPAFCLWFIGHITQFYGIIGQYTNLLRLVDFYVMPVVNVDGYDYSWKKNRMWRKNRSFYA NNHCIGTDLNRNFASKHWCEEGASSSSCSETYCGLYPESEPEVKAVASFLRRNINQIKAYISMHSYSQHIVFPYS YTRSKSKDHEELSLVASEAVRAIEKTSKNTRYTHGHGSETLYLAPGGGDDWIYDLGIKYSFTIELRDTGTYGFLLP ERYIKPTCREAFAAVSKIAWHVIRNVLDHHHHHH

Application Note

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

For Research Use Only. Not for use in diagnostic/therapeutics procedures.