

Recombinant Human CPB2 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. CPB2-169H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CPB2 MS Standard C13 and N15-labeled recombinant protein (NP_001863) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	<p>Carboxypeptidases are enzymes that hydrolyze C-terminal peptide bonds. The carboxypeptidase family includes metallo-, serine, and cysteine carboxypeptidases. According to their substrate specificity, these enzymes are referred to as carboxypeptidase A (cleaving aliphatic residues) or carboxypeptidase B (cleaving basic amino residues). The protein encoded by this gene is activated by trypsin and acts on carboxypeptidase B substrates. After thrombin activation, the mature protein downregulates fibrinolysis. Polymorphisms have been described for this gene and its promoter region. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]</p>
Molecular Mass	48.4 kDa
AA Sequence	<p>MKLCSLAVLVPIVLFCEQHVFAFQSGQVLAALPRTSRQVQVLQNLTTTYEIVLWQPV TADLIVKKKQVHFFVNASDVDNVKAHLNVSGIPCSVLLADVEDLIQQQISNDTVSPRA SASYEQYHSLNEIYSWIEFITERHPDMLTKIHIGSSFKEYPLYVLKVSQKEQAAKNAI WIDCGIHAREWISPAFCLWFIGHTQFYGIIGQYTLLRLVDFYVMPVVNVVDGYDYSW</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KKNRMWRKNRSFYANNHCIGTDLNRNFASKHWCEEGASSSSCSETYCGLYPESEP
 EVKAVASFLRRNINQIKAYISMHSYSQHIVFPYSYTRSKSKDHEELSLVASEAVRAIEK
 TSKNTRYTHGHGSETLYLAPGGGDDWIYDLGIKYSFTIELRDTGTYGFLPERYIKPT
 CREAFAAVSKIAWHVIRNVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CPB2 carboxypeptidase B2 [Homo sapiens (human)]

Official Symbol CPB2

Synonyms CPB2; carboxypeptidase B2; CPU; PCPB; TAFI; carboxypeptidase B2; carboxypeptidase B-like protein; carboxypeptidase B2 (plasma); carboxypeptidase B2 (plasma, carboxypeptidase U); carboxypeptidase R; thrombin-activable fibrinolysis inhibitor; thrombin-activatable fibrinolysis inhibitor; EC 3.4.17.20

Gene ID 1361

mRNA Refseq NM_001872

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Protein Refseq NP_001863

MIM 603101

UniProt ID Q96IY4

SDS-PAGE



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