

Recombinant Full Length Human CPB2 Protein, GST-tagged

Cat. No. CPB2-2034HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CPB2 full-length ORF (NP_001863.2, 1 a.a. - 423 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	423 amino acids
Description	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]
Molecular Mass	74.8 kDa
AA Sequence	MKLCSLAVLVPIVLFCEQHVFAFQSGQVLAALPRTSRQVQVLQNLTTTYEIVLWQPV TADLIVKKKQVHFFVNASDVDNVKAHLNVSGIPCSVLLADVEDLIQQQISNDTVSPRA SASYEYQYHSLNEIYSWIEFITERHPDMLTKIHIGSSFEEKYPLYVLKVGKEQAAKNAI WIDCGIHAREWISPAFCLWFIGHTQFYGIIGQYTNLLRLVDFYVMPVVNVVDGYDYSW

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KKNRMWRKNRSFYANNHCIGTDLNRNFASKHWCEEAGASSSSCSETYCGLYPESEP
 EVKAVASFLRRNINQIKAYISMHSYSQHIVFPYSYTRSKSKDHEELSLVASEAVRAIEK
 TSKNTRYTHGHGSETLYLAPGGGDDWIYDLGIKYSFTIELRDTGTYGFLPERYIKPT
 CREAFAAVSKIAWHVIRNV

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

Official Symbol CPB2

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

Gene ID 1361

mRNA Refseq NM_001872

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Protein Refseq	NP_001863
MIM	603101
UniProt ID	Q96IY4

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