Recombinant Human CPB2 protein, His-tagged

Cat. No. CPB2-606H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CPB2 aa. (Glu138~Val423 (Accession # Q96IY4)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu138~Val423
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34.5kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 8.5.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

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
Gene ID	1361
mRNA Refseq	NM_001278541.1

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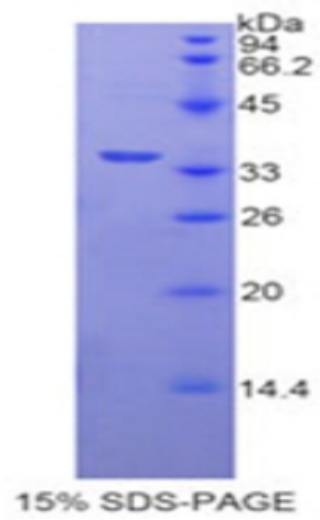
Protein Refseq	NP_001265470.1
UniProt ID	Q96IY4
SDS-PAGE	

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