

Recombinant Human CPB1 protein, His & T7-tagged

Cat. No. CPB1-1435H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CPB1 aa. (Ala111~Tyr417 (Accession # P15086) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala111~Tyr417
Description	Three different procarboxypeptidases A and two different procarboxypeptidases B have been isolated. The B1 and B2 forms differ from each other mainly in isoelectric point. Carboxypeptidase B1 is a highly tissue-specific protein and is a useful serum marker for acute pancreatitis and dysfunction of pancreatic transplants. It is not elevated in pancreatic carcinoma.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 38.7kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.2.

 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

Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein 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	CPB1 carboxypeptidase B1 [Homo sapiens (human)]
Official Symbol	CPB1
Synonyms	CPB1; carboxypeptidase B1; CPB; PASP; PCPB; carboxypeptidase B; carboxypeptidase B1 (tissue); pancreas-specific protein; pancreatic carboxypeptidase B; procarboxypeptidase B; protaminase; tissue carboxypeptidase B
Gene ID	1360
mRNA Refseq	NM_001871.2
Protein Refseq	NP_001862.2

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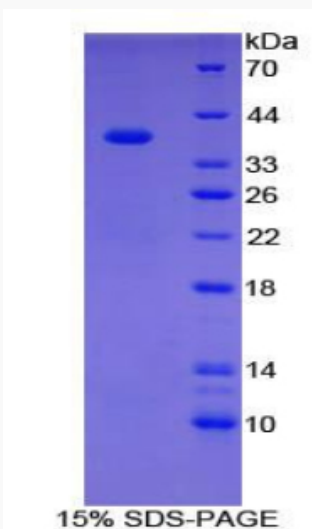
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UniProt ID

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SDS-PAGE

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