

[Go to Product page](#)

Datasheet for ABIN1096227

CPB1 Protein (AA 16-417) (His tag)

Overview

Quantity:	50 µg
Target:	CPB1
Protein Characteristics:	AA 16-417
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CPB1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Carboxypeptidase B/CPB1 (C-6His)
Sequence:	HHGGEHFEGE KVFRVNVEDE NHINIIRELA STTQIDFWKP DSVTQIKPHS TVDFRVKAED TVTVENVLKQ NELQYKVLIS NLRNVVEAQF DSRVRATGHS YEKYNKWETI EAWTQQVATE NPALISRSVI GTTFEGRAIY LLKVGKAGQN KPAIFMDCGF HAREWISPAF CQWVFREAVR TYGREIQVTE LLDKLDIFYVL PVLNIDGIYI TWTKSRFWRK TRSTHTGSSC IGTDPNRRNF AGWCEIGASR NPCDETYCGP AAESEKETKA LADFIRNKLS SIKAYLTIHS YSQMMIYPYS YAYKLGENNA ELNALAKATV KELASLHGK YTYGPGATTI YPAAGGSDDW AYDQGIRYSF TFELRDTGRY GFLLPESQIR ATCEETFLAI KYVASVYLEH LYVDHHHHHH
Characteristics:	Recombinant Human Carboxypeptidase B/CPB1 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (His16-Tyr417) of Human CPB1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CPB1
Alternative Name:	cpb1 (CPB1 Products)
Sub Type:	Fusionprotein
Background:	<p>Carboxypeptidase B1 is an exopeptidase which specifically cleaves the C-terminal Arg and Lys residues with a preference for Arg. Expressed mainly in pancreas, CPB1 is a useful serum marker for acute pancreatitis and pancreatic graft rejection. Human CPB1 consists of a signal peptide, a pro region, and a mature chain. The purified rhCPB1 corresponds to the pro form, which can be activated by trypsin, the only pancreatic protease capable of generating active enzyme from the zymogen in vitro.</p> <p>Alternative Names: Carboxypeptidase B, Pancreas-Specific Protein, PASP, CPB1, CPB, PCPB</p>
Molecular Weight:	46.94 kDa
UniProt:	P15086

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM MES, 150 mM NaCl, pH 5.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>

Handling

Expiry Date: 6 months