

Datasheet for ABIN7194606

**CPB1 Protein (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	50 µg
Target:	CPB1
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CPB1 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse Carboxypeptidase B1/CPB1 Protein (His Tag)(Active)
Sequence:	Met 1-Tyr 415
Characteristics:	A DNA sequence encoding the mouse CPB1 (NP_083982.1) precursor (Met 1-Tyr 415) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 94 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to cleave a colorimetric peptide substrate, Hippuryl-Arg. The specific activity is >5,000 pmoles/min/µg.

## Target Details

Target:	CPB1
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## Target Details

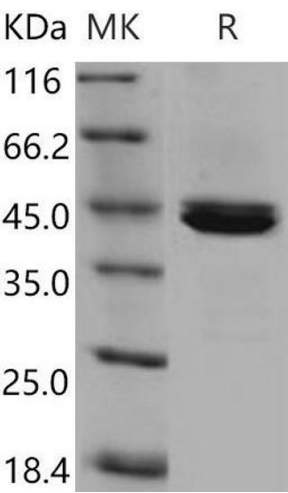
Alternative Name:	Carboxypeptidase B1/CPB1 ( <a href="#">CPB1 Products</a> )
Background:	<p>Background: Carboxypeptidase B1, also well known as pancreatic procarboxypeptidase B (PCPB), is a highly pancreas -specific protein (PASP), and has been identified previously as a serum marker for acute pancreatitis and pancreatic graft rejection. As the prototype for those human exopeptidases that cleave off basic C-terminal residues, CPB1 specifically cleaves the C-terminal Arg and Lys residues with a preference for Arg. The B1 and B2 forms of procarboxypeptidase B differ from each other mainly in isoelectric point. The deduced amino acid sequence of PCPB predicts a 416-amino acid preproenzyme consisting of a 15-aa signal peptide, a 95-aa activation peptide and a 307-aa mature chain. The secreted PCPB zymogen is converted to enzymatically active CPB1 by limited proteolysis by trypsin.</p> <p>Synonym: 0910001A18Rik,1810063F02Rik,2210008M23Rik,A1504870</p>
Molecular Weight:	47.5 kDa
NCBI Accession:	<a href="#">NP_083982</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 20 mM MES, 150 mM NaCl, pH 6.5
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>



**Western Blotting**

**Image 1.**