

Active Recombinant Human CPB1 protein, His-tagged

Cat. No. CPB1-3175H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CPB1 protein(NP_001862.2) (Met 1-Tyr 417) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	1-417 aa
Form	Lyophilized from sterile 25mM MES, 0.1 M NaCl, pH 6.5.
Bio-activity	Measured by its ability to cleave a colorimetric peptide substrate, Hippuryl-Arg, as measured using the wavelength at 254 nm. The specific activity is >10000 pmoles/min/μg.
Molecular Mass	The recombinant human CPB1 consists of 413 amino acids and has a predicted molecular mass of 47 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 45 kDa band.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 98 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name CPB1 carboxypeptidase B1 (tissue) [Homo sapiens]

Official Symbol CPB1

Synonyms CPB1; carboxypeptidase B1 (tissue); carboxypeptidase B; pancreatic carboxypeptidase B; protaminase; tissue carboxypeptidase B; procarboxypeptidase B; pancreas-specific protein; CPB; PASP; PCPB; DKFZp779K1333;

Gene ID 1360

mRNA Refseq NM_001871

Protein Refseq NP_001862

MIM 114852

UniProt ID P15086

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