

Active Recombinant Mouse Cpb1 protein, His-tagged

Cat. No. Cpb1-3286M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cpb1 protein(NP_083982.1)(Met1-Tyr415), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Tyr415
Form	Lyophilized from sterile 20mM MES, 150mM NaCl, pH 6.5Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to cleave a colorimetric peptide substrate, Hippuryl-Arg. The specific activity is >5,000 pmoles/min/μg.
Molecular Mass	The secreted recombinant mouse CPB1 comprises 411 amino acids with a predicted molecular mass of 47.5 kDa. The apparent molecular mass of rm CPB1 is approximately 43-45 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 94 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-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 \(tissue\) \[Mus musculus \]](#)

Official Symbol [Cpb1](#)

Synonyms CPB1; carboxypeptidase B1 (tissue); pancreatic carboxypeptidase B1; AI504870; 0910001A18Rik; 1810063F02Rik; 2210008M23Rik;

Gene ID [76703](#)

mRNA Refseq [NM_029706](#)

Protein Refseq [NP_083982](#)

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