

Active Recombinant Mouse Cpb1 Protein, His-tagged

Cat. No. Cpb1-768M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cpb1 (Accession # NP_083982) Ser16-Tyr415, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
ProteinLength	Ser16-Tyr415
Predicted N Terminal	Ser16
Form	Supplied as a 0.2 µ filtered solution in MES and NaCl.
Bio-activity	Measured by its ability to cleave a colorimetric peptide substrate, Hippuryl-Arg. The specific activity is >5,000 pmol/min/g, as measured under the described conditions.
Molecular Mass	Recombinant Mouse Cpb1, His-tagged has a calculated MW of 47 kDa. In SDS-PAGE migrates as 43 kDa and 48 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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Reconstitution Reconstitute at 100 g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

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](#)

MIM

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