

Recombinant Rat Cpb2 Protein, His-tagged

Cat. No. Cpb2-1140R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat Cpb2 (NP_446069.1) (Met1-Ser422) was expressed with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	1-422 a.a.
Predicted N Terminal	Phe 22
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant rat Cpb2 consists of 412 amino acids and predicts a molecular mass of 48 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Cpb2 carboxypeptidase B2 \(plasma\) \[Rattus norvegicus \]](#)

Official Symbol [Cpb2](#)

Synonyms CPB2; carboxypeptidase B2 (plasma); carboxypeptidase B2; CPR; CPU; TAFI; carboxypeptidase R; carboxypeptidase U; thrombin-activable fibrinolysis inhibitor;

Gene ID [113936](#)

mRNA Refseq [NM_053617](#)

Protein Refseq [NP_446069](#)

MIM

UniProt ID

Pathway Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Pancreatic secretion, organism-specific biosystem; Pancreatic sec

Function carboxypeptidase activity; carboxypeptidase activity; metal ion binding; metalloproteinase activity; metalloproteinase activity; peptidase activity; zinc ion binding;

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