

Recombinant Rat Cpa2 Protein, His-tagged

Cat. No. Cpa2-1135R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat Cpa2 (NP_001013101.2) (Met1-Tyr417) was expressed with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	1-417 a.a.
Predicted N Terminal	Gln 17
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant rat Cpa2 consists 412 amino acids and predicts a molecular mass of 46.5 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90 % 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 [Cpa2 carboxypeptidase A2 \(pancreatic\) \[Rattus norvegicus \]](#)

Official Symbol [Cpa2](#)

Synonyms CPA2; carboxypeptidase A2 (pancreatic); carboxypeptidase A2;

Gene ID [296959](#)

mRNA Refseq [NM_001013083](#)

Protein Refseq [NP_001013101](#)

MIM

UniProt ID

Pathway Pancreatic secretion, organism-specific biosystem; Pancreatic secretion, conserved biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem;

Function carboxypeptidase activity; metal ion binding; metallocarboxypeptidase activity; metallocarboxypeptidase activity; metallopeptidase activity; peptidase activity; protein binding; zinc ion binding; zinc ion binding;

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