

## Active Recombinant Mouse Cpa1 protein, His-tagged

Cat. No. Cpa1-2287M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Cpa1 protein(NP_079626.2)(Met1-Tyr419), fused with His tag, was expressed in HEK293.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-419 a.a.
<b>Form</b>	Lyophilized from sterile 20mM Tris, 150mM NaCl, pH 7.5Please 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.
<b>Bio-activity</b>	Measured by its ability to cleave the colorimetric peptide substrate Ac-Phe-Thiaphe-OH in the presence of 5,5'Dithiobis (2-nitrobenzoic acid) (DTNB). The specific activity is >6,000 pmoles/min/μg.
<b>Molecular Mass</b>	The secreted recombinant pro form of mouse CPA1 comprises 414 amino acids and has a calculated molecular mass of 47 kDa. The recombinant protein migrates as an approximately 42 kDa band in SDS-PAGE under reducing conditions.
<b>Proteinlength</b>	Met1-Tyr419
<b>Endotoxin</b>	< 1.0 EU per μg of the protein as determined by the LAL method

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**Purity** > 96 % as determined by SDS-PAGE

**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**

Cpa1 carboxypeptidase A1, pancreatic [ *Mus musculus* ]

**Official Symbol**

Cpa1

**Synonyms**

CPA1; carboxypeptidase A1, pancreatic; carboxypeptidase A1; Cpa; 0910001L12Rik;

**Gene ID**


109697

**mRNA Refseq**

NM\_025350

**Protein Refseq**

NP\_079626

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