

Active Recombinant Mouse Cpa1 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Cpa1 protein(NP_079626.2)(Met1-Tyr419), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	1-419 a.a.
Form	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.
Bio-activity	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.
Molecular Mass	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.
Proteinlength	Met1-Tyr419
Endotoxin	< 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 [<i>Mus musculus</i>]
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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