

Recombinant Mouse Cpa1 Protein, MYC/DDK-tagged

Cat. No. Cpa1-431M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse carboxypeptidase A1, pancreatic (Cpa1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes carboxypeptidase A, a zinc-dependent metalloprotease that cleaves peptide bonds at the C-terminus of protein substrates. The encoded preproprotein undergoes proteolytic activation to generate a mature, functional enzyme. This gene is expressed in pancreas, the encoded protein is a major component of digestive enzymes secreted by pancreas and plays an important role in the process of digestion. This gene is located in a cluster of related carboxypeptidase genes on chromosome 6.
Molecular Mass	47.8 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Cpa1 carboxypeptidase A1, pancreatic [Mus musculus (house mouse)]
Official Symbol	Cpa1
Synonyms	Cpa1; carboxypeptidase A1, pancreatic; Cpa; 0910001L12Rik; carboxypeptidase A1; EC 3.4.17.1
Gene ID	109697
mRNA Refseq	NM_025350
Protein Refseq	NP_079626
UniProt ID	Q7TPZ8

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