

Recombinant Mouse Cartpt Protein, Myc/DDK-tagged

Cat. No. Cartpt-1968M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length CART prepropeptide (cDNA clone MGC:66635 IMAGE:6817832), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes preproprotein isoforms that are processed into multiple biologically active peptides. Expression of this gene is regulated by cocaine and other drugs, and is associated with feeding/appetite and stress response. Mice lacking the encoded protein are predisposed to obesity. Deficiency of the encoded protein in mice results in pancreatic islet dysfunction, impaired insulin secretion and glucose intolerance. Alternative splicing results in multiple transcript variants encoding different isoforms, which are subsequently processed into mature peptides.
Molecular Mass	14.3 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.

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Concentration >50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name Cartpt CART prepropeptide [*Mus musculus* (house mouse)]

Official Symbol [Cartpt](#)

Synonyms Cartpt; CART prepropeptide; Ca; Cart; cocaine- and amphetamine-regulated transcript protein

Gene ID [27220](#)

mRNA Refseq [NM_013732](#)

Protein Refseq [NP_038760](#)

UniProt ID [P56388](#)

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