

Recombinant Full Length Human CARTPT Protein, GST-tagged

Cat. No. CARTPT-2899HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CART full-length ORF (AAH29882, 1 a.a. - 116 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	116 amino acids
Description	This gene encodes a preproprotein that is proteolytically processed to generate multiple biologically active peptides. These peptides play a role in appetite, energy balance, maintenance of body weight, reward and addiction, and the stress response. Expression of a similar gene transcript in rodents is upregulated following administration of cocaine and amphetamine. Mutations in this gene are associated with susceptibility to obesity in humans. [provided by RefSeq, Feb 2016]
Molecular Mass	38.5 kDa
AA Sequence	MESSRVRLPLLLGAALLLMLPLLGTTRAQEDAELQPRALDIYSAVDDASHEKELIEALQ EVLKKLKSKRVPIYEKKYGVPMCDAGEQCAVRKGARIGKLCDPCRGTSCNSFLLK CL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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Protein Array

Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CARTPT CART prepropeptide [Homo sapiens]
Official Symbol	CARTPT
Synonyms	CARTPT; CART prepropeptide; cocaine- and amphetamine-regulated transcript protein; CART; cocaine and amphetamine regulated transcript;
Gene ID	9607
mRNA Refseq	NM_004291
Protein Refseq	NP_004282
MIM	602606
UniProt ID	Q16568