

Recombinant Human CARTPT protein, GST-tagged

Cat. No. CARTPT-10725H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CARTPT protein(27-116 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	27-116 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	AQEDAELQPRALDIYSAVDDASHEKELIEALQEVLKKLKSKRVPIYEKKYGQVPMCD AGEQCAVRKGARIGKLCDCPRGTSCNSFLKCL
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200

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μl sterile water to achieve a working concentration of 0.25 g/μl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

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

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