

CART(55-102)(rat)

Cat. No.:	HY-P1305
CAS No.:	209615-79-2
Molecular Formula:	C ₂₂₆ H ₃₆₇ N ₆₅ O ₆₅ S ₇
Molecular Weight:	5259.18
Sequence:	Ile-Pro-Ile-Tyr-Glu-Lys-Lys-Tyr-Gly-Gln-Val-Pro-Met-Cys-Asp-Ala-Gly-Glu-Gln-Cys-Ala-Val-Arg-Lys-Gly-Ala-Arg-Ile-Gly-Lys-Leu-Cys-Asp-Cys-Pro-Arg-Gly-Thr-Ser-Cys-Asn-Ser-Phe-Leu-Leu-Lys-Cys-Leu (Disulfide bridge:Cys14-Cys32;Cys20-Cys40;Cys34-Cys47)
Sequence Shortening:	IPIYEKKYQVPMCDAGEQCAVRKGARIGKLCDCPRGTSCNSFLLKCL (Disulfide bridge:Cys14-Cys32;Cys20-Cys40;Cys34-Cys47)
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.

BIOLOGICAL ACTIVITY

Description	CART(55-102)(rat) is a rat satiety factor with potent appetite-suppressing activity. CART(55-102)(rat) is closely associated with leptin and neuropeptide Y. CART(55-102)(rat) can induces anxiety and stress-related behavior ^{[1][2]} .
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REFERENCES

- [1]. H Volkoff, et al. Effects of CART Peptides on Food Consumption, Feeding and Associated Behaviors in the Goldfish, *Carassius Auratus*: Actions on Neuropeptide Y- And Orexin A-induced Feeding. *Brain Res.* 2000 Dec 22;887(1):125-33.
- [2]. Shigeyuki Chaki, et al. Cocaine- And Amphetamine-Regulated Transcript Peptide Produces Anxiety-Like Behavior in Rodents. *Eur J Pharmacol.* 2003 Mar 7;464(1):49-54.

Caution: Product has not been fully validated for medical applications. For research use only.

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