

CART(55-102)(human)

Cat. No.:	HY-P1304
CAS No.:	214050-22-3
Molecular Formula:	C ₂₂₅ H ₃₆₅ N ₆₅ O ₆₅ S ₇
Molecular Weight:	5245.16
Sequence:	Val-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:	VPIYEKKYGQVPMCDAGEQCAVRKGRIGKLCDCPRGTSCNSFLKCL (Disulfide bridge:Cys14-Cys32;Cys20-Cys40;Cys34-Cys47)
Target:	Neuropeptide Y Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Sealed storage, away from moisture and light, under nitrogen Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

BIOLOGICAL ACTIVITY

Description

CART(55-102)(human) is an endogenous satiety factor with potent appetite-suppressing activity. CART(55-102)(human) is closely associated with leptin and neuropeptide Y^{[1][2]}.

REFERENCES

- [1]. K Matsumura, et al. Central Human Cocaine- And Amphetamine-Regulated Transcript Peptide 55-102 Increases Arterial Pressure in Conscious Rabbits. Hypertension. 2001 Nov;38(5):1096-100.
- [2]. 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.

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

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