



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Chromostatin (bovine)

<b>Cat. No.:</b>	HY-P3041
<b>CAS No.:</b>	133633-11-1
<b>Molecular Formula:</b>	C <sub>78</sub> H <sub>120</sub> N <sub>24</sub> O <sub>35</sub>
<b>Molecular Weight:</b>	1953.93
<b>Sequence:</b>	Ser-Asp-Glu-Asp-Ser-Asp-Gly-Asp-Arg-Pro-Gln-Ala-Ser-Pro-Gly-Leu-Gly-Pro-Gly-Pro
<b>Sequence Shortening:</b>	SDESDGDRPQASPGLGPGP
<b>Target:</b>	Calcium Channel
<b>Pathway:</b>	Membrane Transporter/Ion Channel; Neuronal Signaling
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Chromostatin bovine is a chromogranin A (CGA) derivative peptide, which inhibits potassium or carbamoylcholine induced catecholamine release with an ID<sub>50</sub> of 5 nM. Chromostatin bovine reduces calcium flux, enhances the desensitization process of the cholinergic-evoked secretory response and modulates the endocrine response associated with catecholamine<sup>[1]</sup>.

### REFERENCES

[1]. Galindo E, et al., Chromostatin, a 20-amino acid peptide derived from chromogranin A, inhibits chromaffin cell secretion. Proc Natl Acad Sci U S A. 1991 Feb 15;88(4):1426-30.

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

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