



# 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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## Stalk peptide

<b>Cat. No.:</b>	HY-P10430
<b>Molecular Formula:</b>	C <sub>48</sub> H <sub>77</sub> N <sub>11</sub> O <sub>16</sub> S
<b>Molecular Weight:</b>	1096.25
<b>Sequence:</b>	Thr-Ser-Phe-Ser-Ile-Leu-Met-Ser-Pro-Asn
<b>Sequence Shortening:</b>	TSFSILMSPN
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Stalk peptide is a GPR110 activator. Stalk peptide is released from GPCR Autoproteolysis INDucing domain by autocatalytic process and then Stalk peptide is inserted into the ligand-binding pocket of the receptor to activate the receptor. Stalk peptide can promote nerve growth and synaptic formation. Stalk peptide can be used to study neurodevelopmental and neurodegenerative diseases<sup>[1]</sup>.

### REFERENCES

[1]. Zhu X, et al. Structural basis of adhesion GPCR GPR110 activation by stalk peptide and G-proteins coupling[J]. Nature Communications, 2022, 13(1): 5513.

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

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