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Produktinformation



Forschungsprodukte & Biochemikalien



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ssK36

Cat. No.:	HY-P10463
Molecular Formula:	C ₇₉ H ₁₂₇ N ₂₉ O ₁₈
Molecular Weight:	1771.04
Sequence:	Ala-Pro-Arg-Phe-Gly-Gly-Val-Lys-Arg-Pro-Asn-Arg-Tyr-Arg-Pro
Sequence Shortening:	APRFGGVKRPNRYRP
Target:	Histone Methyltransferase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

ssK36 is a supersubstrate peptide of the histone methyltransferase (SET) domain protein 2 (SETD2), and ssK36 is designed for the SETD2 protein, a specific PKMT. It is responsible in human cells for adding methyl groups to the 36th lysine residue of histone H3 (H3K36) to form H3K36me3. ssK36 can be methylated by SETD2 at a rate more than 100 times faster than the natural substrate H3K36. ssK36 can be used to study the catalytic mechanism of PKMTs, especially substrate specificity and catalytic efficiency^[1].

REFERENCES

[1]. Schnee P, et al. Mechanistic basis of the increased methylation activity of the SETD2 protein lysine methyltransferase towards a designed super-substrate peptide[J]. Communications Chemistry, 2022, 5(1): 139.

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

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