

Chktide

Cat. No.:	HY-P5961
CAS No.:	289652-77-3
Molecular Formula:	C ₁₁₅ H ₁₉₈ N ₄₀ O ₃₃ S
Molecular Weight:	2701.12
Sequence:	Lys-Lys-Lys-Val-Ser-Arg-Ser-Gly-Leu-Tyr-Arg-Ser-Pro-Ser-Met-Pro-Glu-Asn-Leu-Asn-Arg-Pro-Arg
Sequence Shortening:	KKKVSRSGLYRSPSPENLNRPR
Target:	Checkpoint Kinase (Chk)
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Chktide is a substrate for CHK1 and CHK2. Chktide can be used in kinase assays^{[1][2]}.

REFERENCES

[1]. Walker M, et, al. Chk1 C-terminal regulatory phosphorylation mediates checkpoint activation by de-repression of Chk1 catalytic activity. *Oncogene*. 2009 Jun 18;28(24):2314-23.

[2]. Bjørling-Poulsen M, et, al. The 'regulatory' beta-subunit of protein kinase CK2 negatively influences p53-mediated allosteric effects on Chk2 activation. *Oncogene*. 2005 Sep 8;24(40):6194-200.

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

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