

## H3K4(Me3) (1-20)

<b>Cat. No.:</b>	HY-P2257
<b>Molecular Formula:</b>	C <sub>94</sub> H <sub>174</sub> N <sub>35</sub> O <sub>27</sub>
<b>Molecular Weight:</b>	2226.64
<b>Sequence:</b>	Ala-Arg-Thr-[Lys(Me3)]-Gln-Thr-Ala-Arg-Lys-Ser-Thr-Gly-Gly-Lys-Ala-Pro-Arg-Lys-Gln-L eu
<b>Sequence Shortening:</b>	ART-[Lys(Me3)]-QTARKSTGGKAPRKQL
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	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

<b>Description</b>	H3K4(Me3) (1-20) is a histone peptide. Trimethylation of histone H3 on lysine 4 (H3K4 me3) is found in active euchromatin but not in silent heterochromatin <sup>[1][2]</sup> .
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### REFERENCES

- [1]. Mulder KW, et al. Regulation of histone H3K4 tri-methylation and PAF complex recruitment by the Ccr4-Not complex. *Nucleic Acids Res.* 2007;35(7):2428-2439.
- [2]. Fujino T, et al. Alteration of histone H3K4 methylation in glomerular podocytes associated with proteinuria in patients with membranous nephropathy. *BMC Nephrol.* 2016;17(1):179. Published 2016 Nov 17.

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

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