

Histone H3 (1-21)

Cat. No.:	HY-P2552	
CAS No.:	873215-29-3	
Molecular Formula:	C ₉₄ H ₁₇₂ N ₃₆ O ₂₈	
Molecular Weight:	2254.6	ARTKQTARKSTGGKAPRKQLA
Sequence Shortening:	ARTKQTARKSTGGKAPRKQLA	
Target:	Others	
Pathway:	Others	
Storage:	Sealed storage, away from moisture	
	Powder -80°C 2 years	
	-20°C 1 year	
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (44.35 mM); Need ultrasonic					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		0.4435 mL	2.2177 mL	4.4354 mL
		5 mM		0.0887 mL	0.4435 mL	0.8871 mL
	10 mM		0.0444 mL	0.2218 mL	0.4435 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (44.35 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	Histone H3 (1-21), derived from Histone H3 1-21 amino acids, is usually used as a substrate for methyltransferase (Histone 3 K4 and K9) and acetyltransferase (Histone 3 K9 and K14) assays ^[1] .
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REFERENCES

[1]. Gauthier N, et al. Development of homogeneous nonradioactive methyltransferase and demethylase assays targeting histone H3 lysine 4. J Biomol Screen. 2012;17(1):49-58.

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

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