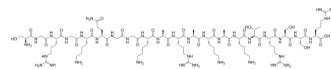


Histone H2A (1-20)

Cat. No.:	HY-P2509
Molecular Formula:	C ₈₃ H ₁₅₅ N ₃₇ O ₂₆
Molecular Weight:	2087.35
Sequence:	Ser-Gly-Arg-Gly-Lys-Gln-Gly-Gly-Lys-Ala-Arg-Ala-Lys-Ala-Lys-Thr-Arg-Ser-Ser-Arg
Sequence Shortening:	SGRGKQGGKARAKAKTRSSR
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 (47.91 mM); Need ultrasonic					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		0.4791 mL	2.3954 mL	4.7908 mL
		5 mM		0.0958 mL	0.4791 mL	0.9582 mL
	10 mM		0.0479 mL	0.2395 mL	0.4791 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 (47.91 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	Histone H2A (1-20), a 35-residue a peptide of histone H2A, is a substrate for methyltransferase/demethylase enzymes ^[1] .
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REFERENCES

[1]. Burgos ES, et, al. Histone H2A and H4 N-terminal tails are positioned by the MEP50 WD repeat protein for efficient methylation by the PRMT5 arginine methyltransferase. J Biol Chem. 2015 Apr 10; 290(15): 9674-89.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA