Histone H3 (1-35) (TFA)

Cat. No.: HY-P2465A

Molecular Formula: $C_{151}H_{270}F_3N_{55}O_{47}$

Molecular Weight: 3665.15

Sequence Shortening: ARTKQTARKSTGGKAPRKQLATKAARKSAPATGGV

ARTKQTARKSTGGKAPRKQLATKAARKSAPATGGV (TFA salt)

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_2O : 50 mg/mL (13.64 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	0.2728 mL	1.3642 mL	2.7284 mL
	5 mM	0.0546 mL	0.2728 mL	0.5457 mL
	10 mM	0.0273 mL	0.1364 mL	0.2728 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 (27.28 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Histone H3 (1-35) TFA is a 35-residue peptide of histone H3. Histone H3 is one of the five main histones involved in the structure of chromatin in eukaryotic cells[1].

In Vitro

Histone H3 is an important protein in the emerging field of epigenetics, where its sequence variants and variable modification states are thought to play a role in the dynamic and long term regulation of genes[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Manoj Bhasin, et al. Recognition and classification of histones using support vector machine. J Comput Biol. Jan-Feb 2006;13(1):102-12.

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

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