

Mad1 (6-21)

Cat. No.:	HY-P3242
CAS No.:	880150-82-3
Molecular Formula:	C ₈₄ H ₁₄₀ N ₂₄ O ₂₆ S ₂
Molecular Weight:	1966.29
Sequence Shortening:	RMNIQMLLEAADYLER
Target:	Others
Pathway:	Others
Storage:	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

Description	Mad1 (6-21) is the 6-21 fragment of Mad1 protein. Mad1 (6-21) binds to mammalian Sin3A PAH2 with a K _d of ~29 nM ^[1] .
In Vitro	The PAH2 domain of mSin3A adopts a left-handed, up-and-down, four-helix bundle structure with residues in all four helices as well as in the turn regions defining a compact structural domain with an extensive hydrophobic core. Helices α1 and α2 form a deep hydrophobic pocket, which constitutes the primary interaction surface for the Mad1 (6-21) peptide. The Mad1 (6-21) forms an amphipathic α helix in the complex and interacts with PAH2 mainly through the apolar surface of the helix ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. K Brubaker, et al. Solution structure of the interacting domains of the Mad-Sin3 complex: implications for recruitment of a chromatin-modifying complex. Cell. 2000 Nov 10;103(4):655-65.

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

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