

Rev03
Update: Feb,10,2022

DATASHEET

CREBtide

Cat. No.: RP10142

Overview

Description	CREBtide is a synthetic substrate for PKA ($K_m=3.9 \mu\text{M}$), which is based on the phosphorylation sequence in d-CREB (cAMP response element binding protein). The rate of CREBtide phosphorylation was at least as great as that of delta-CREB, indicating that CREBtide retained the determinants of delta-CREB which were responsible for substrate efficacy.
Sequence	{LYS}{ARG}{ARG}{GLU}{ILE}{LEU}{SER}{ARG}{ARG}{PRO}{SER}{TYR}{ARG}
Sequence Shortening	KRREILSRRPSYR
Molecular Formula	$\text{C}_{73}\text{H}_{129}\text{N}_{29}\text{O}_{19}$
Molecular Weight	1717.0

Properties

Purity	> 95%
Solubility	Soluble in water
Form	Lyophilized
Storage	Store at -20°C .
Note	Peptide corresponding to the consensus phosphorylation site at Ser133 of the cyclic AMP response element binding protein (CREB).

Examples

