

DATASHEET

Version: 2016-08-18

CREBtide**Cat. No.:** RP10142-1**Size:** 1 mg**Description:**

CREBtide is a synthetic substrate for PKA ($K_m=9\ \mu\text{M}$), 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 (one-letter code):

KRREILSRRPSYR

Sequence (three-letter code):

{LYS}{ARG}{ARG}{GLU}{ILE}{LEU}{SER}{ARG}{ARG}{PRO}{
SER}{TYR}{ARG}

Solubility: Soluble in water**Formula:** $\text{C}_{73}\text{H}_{129}\text{N}_{29}\text{O}_{19}$ **Molecular Weight:** 1,717**Purity:** > 95%**Storage:**Store at -20°C .

Note: Peptide corresponding to the consensus phosphorylation site at Ser133 of the cyclic AMP response element binding protein (CREB).

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