
CREBtide Peptide

Subcategory: Synthetic Peptide, Substrate Peptide

Cat. No.: 350137

Unit: 1 mg

Description:

This peptide is a synthetic substrate for protein kinase A (PKA) with a $K_m = 3.9 \mu M$. The peptide sequence corresponds to residues 123-135 of human cAMP-response element-binding protein (CREB) and contains the Ser-133 phosphorylation site for CaMK1, CaMK2 and CaMK4.

Format: Each vial contains 1 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

Alternate Names: CREBtide; cAMP-responsive element-binding protein; CREB; CREB1

Accession No.: P16220

MW: 1699.01 g/mol

Sequence: H-Lys-Arg-Arg-Glu-Ile-Leu-Ser-Arg-Arg-Pro-Ser-Tyr-Arg or H-KRREILSRRPSYR

Composition: C73H127N29O18

Purity: Purity > 95% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, aliquot and store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.