

**CREBtide**  
**Synthetic Peptide**  
**Catalog # SP2911a**

## Specification

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### CREBtide - Product Information

Primary Accession  
Sequence

[P27925](#)  
**NH2-KRREILSRRPSYR-COOH**

### CREBtide - Additional Information

**Gene ID** 281713

#### Other Names

Cyclic AMP-responsive element-binding protein 1, CREB-1, cAMP-responsive element-binding protein 1, Cyclic AMP-responsive DNA-binding protein, CREB1, CREB, CREB2

#### Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

#### Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### CREBtide - Protein Information

**Name** CREB1

**Synonyms** CREB, CREB2

#### Function

Phosphorylation-dependent transcription factor that stimulates transcription upon binding to the DNA cAMP response element (CRE), a sequence present in many viral and cellular promoters (PubMed:<a href="http://www.uniprot.org/citations/1309910" target="\_blank">1309910</a>, PubMed:<a href="http://www.uniprot.org/citations/8057465" target="\_blank">8057465</a>, PubMed:<a href="http://www.uniprot.org/citations/8627725" target="\_blank">8627725</a>). Transcription activation is enhanced by the TORC coactivators which act independently of Ser-117 phosphorylation (By similarity). Involved in different cellular processes including the synchronization of circadian rhythmicity and the differentiation of adipose cells (By similarity). Regulates the expression of apoptotic and inflammatory response factors in cardiomyocytes in response to ERFE-mediated activation of AKT signaling (By similarity).

#### Cellular Location

Nucleus.

## **CREBtide - Images**