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# CREM Blocking Peptide (Center)

**Synthetic peptide**
**Catalog # BP12891c**

## Specification

### CREM Blocking Peptide (Center) - Product Information

| | |
|---|---|
| Primary Accession | Q03060 |
| Other Accession | Q03061, P27699, Q1LZH5, NP_874390.1, NP_874391.1, NP_874388.1, NP_874389.1, NP_853549.1, NP_874387.1, NP_874386.1 |

### CREM Blocking Peptide (Center) - Additional Information

**Gene ID** 1390

**Other Names**
cAMP-responsive element modulator, Inducible cAMP early repressor, ICER, CREM

**Target/Specificity**
The synthetic peptide sequence is selected from aa 109-122 of HUMAN CREM

**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.

### CREM Blocking Peptide (Center) - Protein Information

**Name** CREM (HGNC:2352)

**Function**
Transcriptional regulator that binds the cAMP response element (CRE), a sequence present in many viral and cellular promoters. Isoforms are either transcriptional activators or repressors. Plays a role in spermatogenesis and is involved in spermatid maturation (PubMed:<a href="http://www.uniprot.org/citations/10373550" target="_blank">10373550</a>).

**Cellular Location**
Nucleus.

**Tissue Location**
Expressed in testes (round spermatids) (at protein level). Isoform 14 is the major activator form in testes

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## CREM Blocking Peptide (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

## CREM Blocking Peptide (Center) - Images

## CREM Blocking Peptide (Center) - Background

This gene encodes a bZIP transcription factor that binds to the cAMP responsive element found in many viral and cellular promoters. It is an important component of cAMP-mediated signal transduction during the spermatogenetic cycle, as well as other complex processes. Alternative promoter and translation initiation site usage allows this gene to exert spatial and temporal specificity to cAMP responsiveness. Multiple alternatively spliced transcript variants encoding several different isoforms have been found for this gene, with some of them functioning as activators and some as repressors of transcription.

## CREM Blocking Peptide (Center) - References

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