

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:10373550).

Cellular Location

Nucleus.

Tissue Location

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

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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Pierard, V., et al. J. Biol. Chem. 285(25):19434-19449(2010)
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