

CRX Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP20611c**Specification**

CRX Blocking Peptide (C-term) - Product Information

Primary Accession [O43186](#)
Other Accession [O54751](#), [Q9XSK0](#)

CRX Blocking Peptide (C-term) - Additional Information

Gene ID 1406

Other Names

Cone-rod homeobox protein, CRX, CORD2

Target/Specificity

The synthetic peptide sequence is selected from aa 284-297 of HUMAN CRX

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.

CRX Blocking Peptide (C-term) - Protein Information

Name CRX

Synonyms CORD2

Function

Transcription factor that binds and transactivates the sequence 5'-TAATC[CA]-3' which is found upstream of several photoreceptor-specific genes, including the opsin genes. Acts synergistically with other transcription factors, such as NRL, RORB and RAX, to regulate photoreceptor cell-specific gene transcription. Essential for the maintenance of mammalian photoreceptors.

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

Tissue Location

Retina.

CRX Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

CRX Blocking Peptide (C-term) - Images

CRX Blocking Peptide (C-term) - Background

Binds and transactivates the sequence 5'-TAATC[CA]-3' which is found upstream of several photoreceptor-specific genes, including the opsin genes. Acts synergistically with other transcription factors, e.g. NRL and RX, to regulate photoreceptor cell-specific gene transcription. Essential for the maintenance of mammalian photoreceptors.

CRX Blocking Peptide (C-term) - References

Freund C.L., et al. Cell 91:543-553(1997).
Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Grimwood J., et al. Nature 428:529-535(2004).
Roni V., et al. BMC Genomics 8:42-42(2007).
Kimura A., et al. J. Biol. Chem. 275:1152-1160(2000).