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# CNNM4 Blocking Peptide (Center)

**Synthetic peptide**
**Catalog # BP5419c**

## Specification

### CNNM4 Blocking Peptide (Center) - Product Information

| | |
|---|---|
| Primary Accession | Q6P4Q7 |
| Other Accession | NP_064569.3 |

### CNNM4 Blocking Peptide (Center) - Additional Information

**Gene ID** 26504

**Other Names**
Metal transporter CNNM4, Ancient conserved domain-containing protein 4, Cyclin-M4, CNNM4, ACDP4, KIAA1592

**Target/Specificity**
The synthetic peptide sequence is selected from aa 580-593 of HUMAN CNNM4

**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.

### CNNM4 Blocking Peptide (Center) - Protein Information

**Name** CNNM4

**Synonyms** ACDP4, KIAA1592

**Function**
Probable metal transporter. The interaction with the metal ion chaperone COX11 suggests that it may play a role in sensory neuron functions (By similarity). May play a role in biomineralization and retinal function.

**Cellular Location**
Cell membrane; Multi-pass membrane protein

**Tissue Location**
Widely expressed. Highly expressed in heart.

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## CNNM4 Blocking Peptide (Center) - Protocols

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

- Blocking Peptides

## CNNM4 Blocking Peptide (Center) - Images

## CNNM4 Blocking Peptide (Center) - Background

This gene encodes a member of the ancient conserved domain containing protein family. Members of this protein family contain a cyclin box motif and have structural similarity to the cyclins. The encoded protein may play a role in metal ion transport. Mutations in this gene are associated with Jalili syndrome which consists of cone-rod dystrophy and amelogenesis imperfecta. [provided by RefSeq].

## CNNM4 Blocking Peptide (Center) - References

Polok, B., et al. Am. J. Hum. Genet. 84(2):259-265(2009)
Parry, D.A., et al. Am. J. Hum. Genet. 84(2):266-273(2009)
Guo, D., et al. Mol Pain 1, 15 (2005) :
Michaelides, M., et al. J. Med. Genet. 41(6):468-473(2004)
Wang, C.Y., et al. Gene 306, 37-44 (2003) :
Downey, L.M., et al. Eur. J. Hum. Genet. 10(12):865-869(2002)
Jalili, I.K., et al. J. Med. Genet. 25(11):738-740(1988)