

**CXXC5 Blocking Peptide (N-Term)**  
**Synthetic peptide**  
**Catalog # BP21897a****Specification**

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**CXXC5 Blocking Peptide (N-Term) - Product Information**

Primary Accession [O7LFL8](#)  
Other Accession [Q32LB3](#), [Q91WA4](#), [Q5R7N4](#), [Q5XIQ3](#)

**CXXC5 Blocking Peptide (N-Term) - Additional Information**

**Gene ID** 51523

**Other Names**

CXXC-type zinc finger protein 5, CF5, Putative MAPK-activating protein PM08, Putative NF-kappa-B-activating protein 102, Retinoid-inducible nuclear factor, RINF, CXXC5

**Target/Specificity**

The synthetic peptide sequence is selected from aa 67-80 of HUMAN CXXC5

**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.

**CXXC5 Blocking Peptide (N-Term) - Protein Information**

**Name** CXXC5

**Function**

May indirectly participate in activation of the NF-kappa-B and MAPK pathways. Acts as a mediator of BMP4-mediated modulation of canonical Wnt signaling activity in neural stem cells (By similarity). Required for DNA damage-induced ATM phosphorylation, p53 activation and cell cycle arrest. Involved in myelopoiesis. Transcription factor. Binds to the oxygen responsive element of COX4I2 and represses its transcription under hypoxia conditions (4% oxygen), as well as normoxia conditions (20% oxygen) (PubMed:<a href="http://www.uniprot.org/citations/23303788" target="\_blank">23303788</a>). May repress COX4I2 transactivation induced by CHCHD2 and RBPJ (PubMed:<a href="http://www.uniprot.org/citations/23303788" target="\_blank">23303788</a>). Binds preferentially to DNA containing cytidine-phosphate-guanosine (CpG) dinucleotides over CpH (H=A, T, and C), hemimethylated-CpG and hemimethylated-hydroxymethyl-CpG (PubMed:<a href="http://www.uniprot.org/citations/29276034" target="\_blank">29276034</a>).

**Cellular Location**

Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q5XIQ3} Note=Colocalizes with DVL1 in large bodies localized just outside the nuclear membrane. {ECO:0000250|UniProtKB:Q5XIQ3}

**CXXC5 Blocking Peptide (N-Term) - Protocols**

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

- [Blocking Peptides](#)

**CXXC5 Blocking Peptide (N-Term) - Images****CXXC5 Blocking Peptide (N-Term) - Background**

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**CXXC5 Blocking Peptide (N-Term) - References**

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Zhou J.,et al.Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.  
Schmutz J.,et al.Nature 431:268-274(2004).