

**RFX7 Blocking Peptide (N-term)**  
**Synthetic peptide**  
**Catalog # BP5389a****Specification**

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**RFX7 Blocking Peptide (N-term) - Product Information**

Primary Accession [O2KHR2](#)  
Other Accession [NP\\_073752.5](#)

**RFX7 Blocking Peptide (N-term) - Additional Information**

**Gene ID** 64864

**Other Names**

DNA-binding protein RFX7, Regulatory factor X 7, Regulatory factor X domain-containing protein 2, RFX7, RFXDC2

**Target/Specificity**

The synthetic peptide sequence is selected from aa 23-37 of HUMAN RFX7

**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.

**RFX7 Blocking Peptide (N-term) - Protein Information**

**Name** RFX7 ([HGNC:25777](#))

**Synonyms** RFXDC2

**Function**

Transcription factor (PubMed:<a href="http://www.uniprot.org/citations/29967452" target="\_blank">29967452</a>). Acts as a transcriptional activator by binding to promoter regions of target genes, such as PDCD4, PIK3IP1, MXD4, PNRC1, and RFX5 (PubMed:<a href="http://www.uniprot.org/citations/29967452" target="\_blank">29967452</a>, PubMed:<a href="http://www.uniprot.org/citations/34197623" target="\_blank">34197623</a>). Plays a role in natural killer (NK) cell maintenance and immunity (PubMed:<a href="http://www.uniprot.org/citations/29967452" target="\_blank">29967452</a>). May play a role in the process of ciliogenesis in the neural tube and neural tube closure (By similarity).

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00858}.

**Tissue Location**

Widely expressed in many different tissue types including thymus and placenta, with high expression in brain (PubMed:18673564). Expressed in both inhibitory and excitatory neurons in cortex (PubMed:33658631).

**RFX7 Blocking Peptide (N-term) - Protocols**

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

- [Blocking Peptides](#)

**RFX7 Blocking Peptide (N-term) - Images****RFX7 Blocking Peptide (N-term) - Background**

RFX7 is a member of the regulatory factor X (RFX) family of transcription factors (see RFX1, MIM 600006) (Aftab et al., 2008 [PubMed 18673564]).

**RFX7 Blocking Peptide (N-term) - References**

Crowther-Swanepoel, D., et al. Nat. Genet. 42(2):132-136(2010)  
Aftab, S., et al. BMC Evol. Biol. 8, 226 (2008) :  
Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)  
Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)