

**RNF7 Blocking Peptide (N-term)**  
**Synthetic peptide**  
**Catalog # BP21564a****Specification**

---

**RNF7 Blocking Peptide (N-term) - Product Information**Primary Accession [Q9UBF6](#)**RNF7 Blocking Peptide (N-term) - Additional Information****Gene ID** 9616**Other Names**

RING-box protein 2, Rbx2, CKII beta-binding protein 1, CKBBP1, RING finger protein 7, Regulator of cullins 2, Sensitive to apoptosis gene protein, RNF7, RBX2, ROC2, SAG

**Target/Specificity**

The synthetic peptide sequence is selected from aa 25-37 of HUMAN RNF7

**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.

**RNF7 Blocking Peptide (N-term) - Protein Information****Name** RNF7**Synonyms** RBX2, ROC2, SAG**Function**

Probable component of the SCF (SKP1-CUL1-F-box protein) E3 ubiquitin ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins involved in cell cycle progression, signal transduction and transcription (PubMed: [10851089](http://www.uniprot.org/citations/10851089)). CRLs complexes and ARIH1 collaborate in tandem to mediate ubiquitination of target proteins, ARIH1 mediating addition of the first ubiquitin on CRLs targets (By similarity). Through the RING- type zinc finger, seems to recruit the E2 ubiquitination enzyme to the complex and brings it into close proximity to the substrate. Promotes the neddylation of CUL5 via its interaction with UBE2F. May play a role in protecting cells from apoptosis induced by redox agents.

**Cellular Location**

Cytoplasm. Nucleus

**Tissue Location**

Expressed in heart, liver, skeletal muscle and pancreas. At very low levels expressed in brain, placenta and lung

**RNF7 Blocking Peptide (N-term) - Protocols**

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

- [Blocking Peptides](#)

**RNF7 Blocking Peptide (N-term) - Images****RNF7 Blocking Peptide (N-term) - Background**

Probable component of the SCF (SKP1-CUL1-F-box protein) E3 ubiquitin ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins involved in cell cycle progression, signal transduction and transcription. Through the RING-type zinc finger, seems to recruit the E2 ubiquitination enzyme to the complex and brings it into close proximity to the substrate. Promotes the neddylation of CUL5 via its interaction with UBE2F. May play a role in protecting cells from apoptosis induced by redox agents.

**RNF7 Blocking Peptide (N-term) - References**

Son M.-Y., et al. Biochem. Biophys. Res. Commun. 263:743-748(1999).  
Ohta T., et al. Mol. Cell 3:535-541(1999).  
Duan H., et al. Mol. Cell. Biol. 19:3145-3155(1999).  
Swaroop M., et al. DNA Cell Biol. 20:425-434(2001).  
Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.