

**RBBP5 Blocking Peptide (C-term)**

Synthetic peptide

Catalog # BP20943c

**Specification**

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**RBBP5 Blocking Peptide (C-term) - Product Information**

Primary Accession

[O15291](#)

Other Accession

[Q8BX09](#)**RBBP5 Blocking Peptide (C-term) - Additional Information****Gene ID** 5929**Other Names**

Retinoblastoma-binding protein 5, RBBP-5, Retinoblastoma-binding protein RBQ-3, RBBP5, RBQ3

**Target/Specificity**

The synthetic peptide sequence is selected from aa 451-465 of HUMAN RBBP5

**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.

**RBBP5 Blocking Peptide (C-term) - Protein Information****Name** RBBP5**Synonyms** RBQ3**Function**

In embryonic stem (ES) cells, plays a crucial role in the differentiation potential, particularly along the neural lineage, regulating gene induction and H3 'Lys-4' methylation at key developmental loci, including that mediated by retinoic acid (By similarity). Does not affect ES cell self-renewal (By similarity). Component or associated component of some histone methyltransferase complexes which regulates transcription through recruitment of those complexes to gene promoters (PubMed: [19131338](http://www.uniprot.org/citations/19131338)). As part of the MLL1/MLL complex, involved in mono-, di- and trimethylation at 'Lys-4' of histone H3 (PubMed: [19556245](http://www.uniprot.org/citations/19556245)). Histone H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation (PubMed: [19556245](http://www.uniprot.org/citations/19556245)). In association with ASH2L and WDR5, stimulates the histone methyltransferase activities of KMT2A,

KMT2B, KMT2C, KMT2D, SETD1A and SETD1B (PubMed:<a href="http://www.uniprot.org/citations/22266653" target="\_blank">22266653</a>, PubMed:<a href="http://www.uniprot.org/citations/21220120" target="\_blank">21220120</a>).

**Cellular Location**

Nucleus.

**Tissue Location**

Ubiquitously expressed.

**RBBP5 Blocking Peptide (C-term) - Protocols**

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

- [Blocking Peptides](#)

**RBBP5 Blocking Peptide (C-term) - Images****RBBP5 Blocking Peptide (C-term) - Background**

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**RBBP5 Blocking Peptide (C-term) - References**

Saijo M.,et al.Genomics 27:511-519(1995).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Gregory S.G.,et al.Nature 441:315-321(2006).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Hughes C.M.,et al.Mol. Cell 13:587-597(2004).