

**RRM1 Blocking Peptide (N-term)**  
**Synthetic peptide**  
**Catalog # BP20081a****Specification**

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**RRM1 Blocking Peptide (N-term) - Product Information**

Primary Accession [P23921](#)  
Other Accession [P07742](#), [NP\\_001024.1](#)

**RRM1 Blocking Peptide (N-term) - Additional Information**

**Gene ID** 6240

**Other Names**

Ribonucleoside-diphosphate reductase large subunit, Ribonucleoside-diphosphate reductase subunit M1, Ribonucleotide reductase large subunit, RRM1, RR1

**Target/Specificity**

The synthetic peptide sequence is selected from aa 86-100 of HUMAN RRM1

**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.

**RRM1 Blocking Peptide (N-term) - Protein Information**

**Name** RRM1

**Synonyms** RR1

**Function**

Provides the precursors necessary for DNA synthesis. Catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides.

**Cellular Location**

Cytoplasm.

**RRM1 Blocking Peptide (N-term) - Protocols**

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

- [Blocking Peptides](#)

### **RRM1 Blocking Peptide (N-term) - Images**

### **RRM1 Blocking Peptide (N-term) - Background**

This gene encodes one of two non-identical subunits that constitute ribonucleoside-diphosphate reductase, an enzyme essential for the production of deoxyribonucleotides prior to DNA synthesis in S phase of dividing cells. It is one of several genes located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. This gene may play a role in malignancies and disease that involve this region.

### **RRM1 Blocking Peptide (N-term) - References**

Ucisik-Akkaya, E., et al. Mol. Hum. Reprod. 16(10):770-777(2010)  
Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010)  
Vinolas, N., et al. Lung Cancer (2010) In press :  
Niida, H., et al. Genes Dev. 24(4):333-338(2010)  
Dong, S., et al. J Hematol Oncol 3, 10 (2010) :