

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

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)
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