

DDX19B Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP20114a**Specification**

DDX19B Blocking Peptide (N-term) - Product Information

Primary Accession [O9UMR2](#)
Other Accession [NP_009173.1](#)

DDX19B Blocking Peptide (N-term) - Additional Information

Gene ID 11269

Other Names

ATP-dependent RNA helicase DDX19B, DEAD box RNA helicase DEAD5, DEAD box protein 19B, DDX19B, DBP5, DDX19, TDBP

Target/Specificity

The synthetic peptide sequence is selected from aa 22-36 of HUMAN DDX19B

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.

DDX19B Blocking Peptide (N-term) - Protein Information

Name DDX19B

Synonyms DBP5, DDX19, TDBP

Function

ATP-dependent RNA helicase involved in mRNA export from the nucleus (PubMed: [10428971](http://www.uniprot.org/citations/10428971)). Rather than unwinding RNA duplexes, DDX19B functions as a remodeler of ribonucleoprotein particles, whereby proteins bound to nuclear mRNA are dissociated and replaced by cytoplasmic mRNA binding proteins (PubMed: [10428971](http://www.uniprot.org/citations/10428971)).

Cellular Location

Cytoplasm. Nucleus, nucleoplasm. Note=Associates with the nuclear pore complex cytoplasmic fibrils

DDX19B Blocking Peptide (N-term) - Protocols

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

- [Blocking Peptides](#)

DDX19B Blocking Peptide (N-term) - Images

DDX19B Blocking Peptide (N-term) - Background

DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, which exhibits RNA-dependent ATPase and ATP-dependent RNA-unwinding activities. This protein is recruited to the cytoplasmic fibrils of the nuclear pore complex, where it participates in the export of mRNA from the nucleus. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.

DDX19B Blocking Peptide (N-term) - References

Collins, R., et al. J. Biol. Chem. 284(16):10296-10300(2009)
von Moeller, H., et al. Nat. Struct. Mol. Biol. 16(3):247-254(2009)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :
Yin, L., et al. Reprod. Fertil. Dev. 14 (3-4), 185-189 (2002) :