

**NT5M Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP22117c****Specification**

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**NT5M Blocking Peptide (Center) - Product Information**Primary Accession [Q9NPB1](#)**NT5M Blocking Peptide (Center) - Additional Information****Gene ID** 56953**Other Names**5'(3')-deoxyribonucleotidase, mitochondrial, 5', 3'-nucleotidase, mitochondrial, 3.1.3.-,  
Deoxy-5'-nucleotidase 2, dNT-2, NT5M, DNT2**Target/Specificity**

The synthetic peptide sequence is selected from aa 79-90 of HUMAN NT5M

**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.

**NT5M Blocking Peptide (Center) - Protein Information****Name** NT5M**Synonyms** DNT2**Function**

Dephosphorylates specifically the 5' and 2'(3')-phosphates of uracil and thymine deoxyribonucleotides, and so protects mitochondrial DNA replication from excess dTTP. Has only marginal activity towards dIMP and dGMP.

**Cellular Location**

Mitochondrion.

**Tissue Location**

Highly expressed in heart, brain and skeletal muscle. Detected at very low levels in kidney and pancreas

## **NT5M Blocking Peptide (Center) - Protocols**

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

- [Blocking Peptides](#)

## **NT5M Blocking Peptide (Center) - Images**

## **NT5M Blocking Peptide (Center) - Background**

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## **NT5M Blocking Peptide (Center) - References**

Rampazzo C.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:8239-8244(2000).  
Rinaldo-Matthis A.,et al.Nat. Struct. Biol. 9:779-787(2002).