

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

NT5M Blocking Peptide (Center) - Product InformationPrimary 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).