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NT5M Blocking Peptide (C-Term)
Synthetic peptide
Catalog # BP21968b

Specification

NT5M Blocking Peptide (C-Term) - Product Information

Primary Accession	Q9NPB1
Other Accession	Q8VCE6

NT5M Blocking Peptide (C-Term) - 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 215-226 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 (C-Term) - 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

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NT5M Blocking Peptide (C-Term) - Protocols

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

- Blocking Peptides

NT5M Blocking Peptide (C-Term) - Images

NT5M Blocking Peptide (C-Term) - Background

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NT5M Blocking Peptide (C-Term) - 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).