

**ATP5G3 Blocking Peptide (N-Term)**  
**Synthetic peptide**  
**Catalog # BP21843a****Specification**

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**ATP5G3 Blocking Peptide (N-Term) - Product Information**Primary Accession [P48201](#)**ATP5G3 Blocking Peptide (N-Term) - Additional Information****Gene ID** 518**Other Names**

ATP synthase F(0) complex subunit C3, mitochondrial, ATP synthase lipid-binding protein, ATP synthase proteolipid P3, ATP synthase proton-transporting mitochondrial F(0) complex subunit C3, ATPase protein 9, ATPase subunit c, ATP5G3

**Target/Specificity**

The synthetic peptide sequence is selected from aa 32-42 of HUMAN ATP5G3

**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.

**ATP5G3 Blocking Peptide (N-Term) - Protein Information****Name** ATP5MC3 ([HGNC:843](#))**Function**

Mitochondrial membrane ATP synthase (F(1)F(0) ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F(0) domain. A homomeric c-ring of probably 10 subunits is part of the complex rotary element.

**Cellular Location**

Mitochondrion membrane; Multi-pass membrane protein

## **ATP5G3 Blocking Peptide (N-Term) - Protocols**

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

- [Blocking Peptides](#)

## **ATP5G3 Blocking Peptide (N-Term) - Images**

## **ATP5G3 Blocking Peptide (N-Term) - Background**

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## **ATP5G3 Blocking Peptide (N-Term) - References**

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Ota T.,et al.Nat. Genet. 36:40-45(2004).

Hillier L.W.,et al.Nature 434:724-731(2005).

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