

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

ATP5G3 Blocking Peptide (N-Term) - Product InformationPrimary 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).

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