

ATP5G1 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP22100c

Specification

ATP5G1 Blocking Peptide (Center) - Product Information

Primary Accession [P05496](#)
Other Accession [P32876](#), [Q9CR84](#), [A1XOS5](#), [Q06645](#), [P17605](#),
[P07926](#), [Q06055](#), [P56383](#), [Q5RAP9](#), [Q06646](#),
[Q06056](#), [Q3ZC75](#), [P48201](#), [P56384](#), [Q5RFL2](#),
[Q71S46](#)

ATP5G1 Blocking Peptide (Center) - Additional Information

Gene ID 516

Other Names

ATP synthase F(0) complex subunit C1, mitochondrial, ATP synthase lipid-binding protein, ATP synthase proteolipid P1, ATP synthase proton-transporting mitochondrial F(0) complex subunit C1, ATPase protein 9, ATPase subunit c, ATP5G1

Target/Specificity

The synthetic peptide sequence is selected from aa 61-71 of HUMAN ATP5G1

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.

ATP5G1 Blocking Peptide (Center) - Protein Information

Name ATP5MC1 ([HGNC:841](#))

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

ATP5G1 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

ATP5G1 Blocking Peptide (Center) - Images**ATP5G1 Blocking Peptide (Center) - Background**

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ATP5G1 Blocking Peptide (Center) - References

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Higuti T., et al. *Biochim. Biophys. Acta* 1173:87-90(1993).
Wiemann S., et al. *Genome Res.* 11:422-435(2001).
Kalnine N., et al. Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.
Farrell L.B., et al. *Biochem. Biophys. Res. Commun.* 144:1257-1264(1987).