

**MP68 Blocking Peptide (C-term)**

Synthetic peptide

Catalog # BP20791c

**Specification**

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**MP68 Blocking Peptide (C-term) - Product Information**

Primary Accession

[P56378](#)**MP68 Blocking Peptide (C-term) - Additional Information**

Gene ID 9556

**Other Names**

68 kDa mitochondrial proteolipid, MP68, C14orf2

**Target/Specificity**

The synthetic peptide sequence is selected from aa 44-58 of HUMAN MP68

**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.

**MP68 Blocking Peptide (C-term) - Protein Information**Name ATP5MJ ([HGNC:1188](#))

Synonyms ATP5MPL, C14orf2, MP68

**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 (Probable). Minor subunit required to maintain the ATP synthase population in the mitochondria (PubMed:<a href="http://www.uniprot.org/citations/24330338" target="\_blank">24330338</a>).

**Cellular Location**

Mitochondrion membrane; Single-pass membrane protein

**MP68 Blocking Peptide (C-term) - Protocols**

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

- [Blocking Peptides](#)

**MP68 Blocking Peptide (C-term) - Images****MP68 Blocking Peptide (C-term) - References**

Mao M.,et al.Proc. Natl. Acad. Sci. U.S.A. 95:8175-8180(1998).  
Zhang C.,et al.Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.  
Li W.B.,et al.Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Heilig R.,et al.Nature 421:601-607(2003).