

ACSM5 Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP21000c

Specification

ACSM5 Blocking Peptide (C-term) - Product Information

Primary Accession

[Q6NUN0](#)**ACSM5 Blocking Peptide (C-term) - Additional Information**

Gene ID 54988

Other Names

Acyl-coenzyme A synthetase ACSM5, mitochondrial, Acyl-CoA synthetase medium-chain family member 5, ACSM5, MACS3

Target/Specificity

The synthetic peptide sequence is selected from aa 562-576 of HUMAN ACSM5

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.

ACSM5 Blocking Peptide (C-term) - Protein Information

Name ACSM5

Synonyms MACS3

Function

Catalyzes the activation of fatty acids by CoA to produce an acyl-CoA, the first step in fatty acid metabolism.

Cellular Location

Mitochondrion matrix {ECO:0000250|UniProtKB:Q91VA0}

Tissue Location

Detected in kidney and liver.

ACSM5 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

ACSM5 Blocking Peptide (C-term) - Images

ACSM5 Blocking Peptide (C-term) - Background

Has medium-chain fatty acid:CoA ligase activity with broad substrate specificity (in vitro). Acts on acids from C(4) to C(11) and on the corresponding 3-hydroxy- and 2,3- or 3,4- unsaturated acids (in vitro) (By similarity).

ACSM5 Blocking Peptide (C-term) - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Martin J.,et al.Nature 432:988-994(2004).
Iwai N.,et al.Hypertension 41:1041-1046(2003).