

**ACSM4 Blocking Peptide(C-term)**

Synthetic peptide

Catalog # BP19853B

**Specification**

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**ACSM4 Blocking Peptide(C-term) - Product Information**

Primary Accession

[POC7M7](#)

Other Accession

[Q7TN78](#), [Q80W40](#), [NP\\_001073923.1](#)**ACSM4 Blocking Peptide(C-term) - Additional Information**

Gene ID 341392

**Other Names**

Acyl-coenzyme A synthetase ACSM4, mitochondrial, Acyl-CoA synthetase medium-chain family member 4, ACSM4

**Target/Specificity**

The synthetic peptide sequence is selected from aa 563-576 of HUMAN ACSM4

**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.

**ACSM4 Blocking Peptide(C-term) - Protein Information**

Name ACSM4

**Function**

Catalyzes the activation of fatty acids by CoA to produce an acyl-CoA, the first step in fatty acid metabolism (By similarity). Capable of activating medium-chain fatty acids with a preference for C6-12 fatty acids (By similarity).

**Cellular Location**

Mitochondrion {ECO:0000250|UniProtKB:Q7TN78}.

**ACSM4 Blocking Peptide(C-term) - Protocols**

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

- [Blocking Peptides](#)

#### **ACSM4 Blocking Peptide(C-term) - Images**

#### **ACSM4 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).

#### **ACSM4 Blocking Peptide(C-term) - References**

Watkins, P.A., et al. J. Lipid Res. 48(12):2736-2750(2007)