

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

Synthetic peptide

Catalog # BP19853B

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

Primary Accession [P0C7M7](#)  
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).

**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)

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](#)