

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). 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)