

**AACS Blocking Peptide (C-term)**  
**Synthetic peptide**  
**Catalog # BP21166a****Specification**

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**AACS Blocking Peptide (C-term) - Product Information**Primary Accession [Q86V21](#)**AACS Blocking Peptide (C-term) - Additional Information****Gene ID** 65985**Other Names**

Acetoacetyl-CoA synthetase, Acyl-CoA synthetase family member 1, Protein sur-5 homolog, AACS, ACSF1

**Target/Specificity**

The synthetic peptide sequence is selected from aa 539-553 of HUMAN AACS

**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.

**AACS Blocking Peptide (C-term) - Protein Information****Name** AACS**Synonyms** ACSF1**Function**

Converts acetoacetate to acetoacetyl-CoA in the cytosol (By similarity). Ketone body-utilizing enzyme, responsible for the synthesis of cholesterol and fatty acids (By similarity).

**Cellular Location**

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q9JMI1}

**Tissue Location**

Highly expressed in kidney, heart and brain, but low in liver.

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

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

- [Blocking Peptides](#)

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

#### **AACS Blocking Peptide (C-term) - Background**

Activates acetoacetate to acetoacetyl-CoA. May be involved in utilizing ketone body for the fatty acid-synthesis during adipose tissue development (By similarity).

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

Ohgami M.,et al.Biochem. Pharmacol. 65:989-994(2003).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Gu T.,et al.Mol. Cell. Biol. 18:4556-4564(1998).  
Bechtel S.,et al.BMC Genomics 8:399-399(2007).