

Acetyl-CoA acetyltransferase, cytosolic 1 (AAT1), Recombinant Protein

Cat *RP01858*

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Species Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Acetyl-CoA acetyltransferase, cytosolic 1 (AAT1)

Product Gene Name

AAT1 recombinant protein

Product Synonym Gene Name

AAT1

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

MAHTSESVNP RDVCIVGVAR TPMGGFLGSL SSLPATKLGS LAIAAALKRA NVDPALVQEV VFGNVLSANL
GQAPARQAAL GAGIPNSVIC TTVNKVCASG MKAVMIAAQS IQLGINDVVV AGGMESMSNT PKYLAEARKG
SRFGHDSLVD GMLKDGLWDV YNDCGMGSCA ELCAEFQIT REQQDDYAVQ SFERGIAAQE AGAFTWEIVP
VEVSGGRGRP STIVDKDEGL GKFDAAKLRK LRPSFKENG TVTAGNASSI SDGAAALVLV SGEKALQLGL
LVLAKIKGYG DAAQEPEFFT TAPALAIKPA IAAGLESSQ VDYIEINEAF AVVALANQKL LGIAPEKVVN
NGGAVSLGHP LGCSGARILI TLLGILKKRN GKYGVGGVCN GGGGASALVL ELL

Sequence Positions

1-403, Full length protein

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

40,877 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

Amino acid transporter

NCBI Accession

NP_568694.2

NCBI GI

30695411

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

NCBI GenBank Nucleotide

NM_124198.4

NCBI GeneID

834876

NCBI Official Full Name

acetoacetyl-CoA thiolase 2

NCBI Official Symbol

ACAT2

NCBI Official Synonym Symbols

AACT2; acetoacetyl-CoA thiolase 2; Acetoacetyl-CoA thiolase 2; EMB1276; EMBRYO DEFECTIVE 1276; MIF21.12; MIF21_12

NCBI Protein Information

acetoacetyl-CoA thiolase 2

NCBI Summary

Encodes an acetoacetyl-CoA thiolase that generates the bulk of the acetoacetyl-CoA precursor needed for the cytosolic localized, mevalonate-derived isoprenoids biosynthetic pathway. Loss-of-function mutants are embryo lethal.

UniProt Gene Name

AAT1

UniProt Synonym Gene Names

EMB1276; Thiolase 1

UniProt Protein Name

Acetyl-CoA acetyltransferase, cytosolic 1

UniProt Synonym Protein Names

Cytosolic acetoacetyl-CoA thiolase 1; Thiolase 1; Protein EMBRYO DEFECTIVE 1276

UniProt Primary Accession

Q8S4Y1

UniProt Secondary Accession

Q93YW6; Q9LUB1

UniProt Related Accession

Q8S4Y1

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