Acetyl-CoA carboxylase 2 (ACC2), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP00992*

Size *0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1 mg (E-Coli)/ 0.1 mg (Baculovirus)/ 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 carboxylase 2 (ACC2) , partial

Product Gene Name
ACC2 recombinant protein

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

Sequence
GRSLVTVPEE IYKKACVYTT EEAIASCQVV GYPAMIKASW GGGGKGIRKV HNDDEVRALF KQVQGEVPGS PIFIMKVASQ SRHLEAQLLC DQYGNVAALH SRDCSVQRRH QKIIEEGPIT VAPQETIKKL EQAARRLAKS VNYVGAATVE YLYSMDTGEY YFLELNPRLQ VEHPVTEWIA EVNLPAAQVA VGMGI

Sequence Positions
291-485aa; Partial

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

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
262,729 Da

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

Protein Family
Acetyl-CoA carboxylase

NCBI Accession
NP_174850.4

NCBI GI
334183052

NCBI GenBank Nucleotide
NM_103314.5

NCBI GeneID
840522

NCBI Official Full Name
acetyl-CoA carboxylase 2

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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https://www.cd-biosciences.com/plant-protein/

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NCBI Official Symbol
ACC2

NCBI Official Synonym Symbols
acetyl-CoA carboxylase 2; F15C21.2; F15C21_2

NCBI Protein Information
acetyl-CoA carboxylase 2

NCBI Summary
acetyl-CoA carboxylase 2 (ACC2)

UniProt Gene Name
ACC2

UniProt Protein Name
Acetyl-CoA carboxylase 2

UniProt Primary Accession
F4I1L3

UniProt Secondary Accession
Q9C8G0; Q9FR96

UniProt Related Accession
F4I1L3

UniProt Comments
Multifunctional enzyme that catalyzes the carboxylation of acetyl-CoA, forming malonyl-CoA, which is used in the plastid for fatty acid synthesis and in the cytosol in various biosynthetic pathways including fatty acid elongation.

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