

# Acyl-CoA-binding domain-containing protein 3 (ACBP3), Recombinant Protein

Cat      *RP05479*

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* Acyl-CoA-binding domain-containing protein 3 (ACBP3)

## Product Gene Name

ACBP3 recombinant protein

## Product Synonym Gene Name

ACBP3

## Purity

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

## Sequence

KLVSVATVEN DLSSDQPLKP EIGVGVTEDV RFGMKMDARV LESQRNFQVV DENVELVDRF LSEEADRVYE  
VDEAVTGNAC ICGDREAESS AAASSENYYVI AEEVILVRGQ DEQSDSAEAE SISSVSPENV VAEEIKSQGQ  
EEVTELGRSG CVENEESGGD VLVAESEEVR VEKSSNMVEE SDAEAENEK TELTIEEDDD WEGIERSELE  
KAFAAAVNLL EESGKAAEIG AEAKMELFGL HKIATEGSCR EAQPMVMIS ARAKWNWQK LGNMSQEEAM  
EQYLALVSKE IPGLTKAGHT VGKMSEMETS VGLPPNSGSL EDPTNLVTTG VDESSKNGIP

## Sequence Positions

23-362, 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

39,529 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

Acyl-CoA-binding domain-containing protein

## NCBI Accession #

NP\_001078439.1

## NCBI GI #

145333919

## NCBI GenBank Nucleotide #

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

# Acyl-CoA-binding domain-containing protein 3 (ACBP3), Recombinant Protein

Cat      RP05479

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)  
NCBI GeneID  
828524

## NCBI Official Full Name

acyl-CoA-binding domain 3

## NCBI Official Symbol

ACBP3

## NCBI Official Synonym Symbols

acyl-CoA-binding domain 3; T22A6.60; T22A6\_60

## NCBI Protein Information

acyl-CoA-binding domain 3

## NCBI Summary

acyl-CoA-binding protein ACBP3. Localized extracellularly in transiently expressed tobacco BY-2 cells and onion epidermal cells. Binds arachidonyl-CoA with high affinity. Microarray data shows up-regulation of many biotic- and abiotic-stress-related genes in an ACBP3 OE-1 in comparison to wild type.

## UniProt Gene Name

ACBP3

## UniProt Synonym Gene Names

Acyl-CoA binding protein 3

## UniProt Protein Name

Acyl-CoA-binding domain-containing protein 3

## UniProt Primary Accession #

Q9STX1

## UniProt Secondary Accession #

Q6NLR6; B9DG28

## UniProt Related Accession #

Q9STX1

## UniProt Comments

Binds medium- and long-chain acyl-CoA esters with very high affinity. Can interact in vitro with arachidonyl-CoA, barely with oleoyl-CoA, but not with palmitoyl-CoA.

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**