

Long-chain-fatty-acid--[acyl-carrier-protein] ligase AEE15, chloroplastic (AAE15), Recombinant Protein

Cat *RP05097*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Long-chain-fatty-acid--[acyl-carrier-protein] ligase AEE15, chloroplastic (AAE15) , partial

Product Gene Name

AAE15 recombinant protein

Product Synonym Gene Name

AAE15

Purity

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

Format

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

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

81,466 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

Long-chain-fatty-acid--[acyl-carrier-protein] ligase

NCBI Accession

NP_193143.2

NCBI GI

22328609

NCBI GenBank Nucleotide

NM_117482.4

NCBI GeneID

827043

NCBI Official Full Name

acyl-activating enzyme 15

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Long-chain-fatty-acid--[acyl-carrier-protein] ligase AEE15, chloroplastic (AAE15), Recombinant Protein

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NCBI Official Symbol

AAE15

NCBI Official Synonym Symbols

acyl-activating enzyme 15; DL3075C; FCAALL.81

NCBI Protein Information

acyl-activating enzyme 15

NCBI Summary

Plastidic acyl activating enzyme involved in the elongation of exogenous medium-chain fatty acids to 16- and 18-carbon fatty acids.

UniProt Gene Name

AAE15

UniProt Protein Name

Long-chain-fatty-acid--[acyl-carrier-protein] ligase AEE15, chloroplastic

UniProt Synonym Protein Names

Acyl-[acyl-carrier-protein] synthetase; Acyl-activating enzyme 15

UniProt Primary Accession

Q8W471

UniProt Secondary Accession

O23268; Q56X36; Q8LRT2

UniProt Related Accession

Q8W471

UniProt Comments

Probably involved in the activation of fatty acids to acyl-carrier-protein prior to fatty acid elongation in plastids. Acts on medium- to long-chain fatty acids.

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