# Probable Acyl-Activating Enzyme 4 (AEE4) Arabidopsis Thaliana Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Probable acyl-activating enzyme 4 (AEE4), Recombinant Protein |
| **Full Product Name** | Recombinant Arabidopsis thaliana Probable acyl-activating enzyme 4 (AEE4) , partial |
| **Product Gene Name** | AEE4 recombinant protein |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 60,011 Da |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for O80658 |
| **Species** | Arabidopsis thaliana (Mouse-ear cress) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for AEE4 recombinant protein** | MBS1242573 is a recombinant protein targeting AEE4. Also known as Recombinant Arabidopsis thaliana Probable acyl-activating enzyme 4 (AEE4) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of AEE4 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AEE4. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 15223865 |
| **NCBI GeneID** | 844060 |
| **NCBI Accession #** | NP_177848.1 |
| **UniProt Primary Accession #** | O80658 |
| **UniProt Secondary Accession #** | Q8LRT5 |
| **UniProt Related Accession #** | O80658 |
| **GenBank Nucleotide #** | NM_106373.2 |
| **NCBI Official Full Name** | AMP-dependent synthetase and ligase family protein |
| **NCBI Official Symbol** | AAE2 |
| **NCBI Official Synonym Symbols** | acyl activating enzyme 2; T14N5.10; T14N5_10 |

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| **UniProt Protein Name** | Probable acyl-activating enzyme 4 |
| **UniProt Synonym Protein Names** | AMP-binding protein 4; AtAMPBP4 |
| **Protein Family** | Probable acyl-activating enzyme |
| **UniProt Gene Name** | AEE4 |
| **UniProt Synonym Gene Names** | AMPBP4; AtAMPBP4 |
| **NCBI Protein Information** | AMP-dependent synthetase and ligase family protein |
| **UniProt Comments for AEE4** | May act as an acid--thiol ligase that activates carboxylic acids by forming acyl-CoAs. |
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