

# Caffeic acid 3-O-methyltransferase (CAOMT), Recombinant Protein

Cat RP19518

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) (Robusta coffee)

## Full Product Name

Recombinant Coffea canephora Caffeic acid 3-O-methyltransferase

## Product Gene Name

CAOMT recombinant protein

## Purity

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

## Sequence

MAEEEEACLFA MSLASASVLP MVLKSAIELD LLELIAKAGP GAYVSPSELA AQLPTHNPEA PIMLDRILRL  
LATYSVLDCCK LNNLADGGVE RLYGLAPVCK FLTKNADGVS MAPLLLMNQD KVLMSWYHL KDAVLDGGIP  
FNKAYGMTAF EYHGTDPRFN KVFNQGMSNH STITMKKILE VYRGFGLKT VVDVGGGTGA TLNMIISKYP  
TIKGINFELP HVVEDAPSHS GVEHVGGDMF VSVPKGDAIF MKWICHDWSD DHCRKLLKNC YQALPDNGKV  
ILAECVLPEA PDTSLATQNV VHVDVVMLAH NPGGKERTEK EFEALAKGAG FKEFRKVCSA VNTWIMELCK

## Sequence Positions

1-350, 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

38,258 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

Caffeic acid 3-O-methyltransferase

## NCBI Accession #

Q8LL87.1

## NCBI GI #

29839361

## NCBI Official Full Name

Caffeic acid 3-O-methyltransferase

## UniProt Gene Name

CAOMT

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)

## UniProt Synonym Gene Names

COMT

## UniProt Protein Name

Caffeic acid 3-O-methyltransferase

## UniProt Synonym Protein Names

S-adenosyl-L-methionine:caffeic acid 3-O-methyltransferase

## UniProt Primary Accession #

Q8LL87

## UniProt Comments

Catalyzes the conversion of caffeic acid to ferulic acid and of 5-hydroxyferulic acid to sinapic acid. The resulting products may subsequently be converted to the corresponding alcohols that are incorporated into lignins.

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