

Allene oxide synthase 4 (CYP74A4), Recombinant Protein

Cat *RP13821*

Species

Oryza sativa subsp. *japonica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Allene oxide synthase 4 (CYP74A4), partial

Product Gene Name

CYP74A4 recombinant protein

Product Synonym Gene Name

CYP74A4

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

55,330 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

Allene oxide synthase

NCBI Accession

XP_015623380.1

NCBI GI

1002238344

NCBI GenBank Nucleotide

XM_015767894.1

NCBI GeneID

4328743

NCBI Official Full Name

allene oxide synthase 4

NCBI Official Symbol

LOC4328743

NCBI Official Synonym Symbols

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Allene oxide synthase 4 (CYP74A4), Recombinant Protein

Cat *RP13821*

AOS4; CYP74A4

NCBI Protein Information

allene oxide synthase 4

UniProt Gene Name

CYP74A4

UniProt Synonym Gene Names

AOS4

UniProt Protein Name

Allene oxide synthase 4

UniProt Synonym Protein Names

Cytochrome P450 74A4; Hydroperoxide dehydrase 4

UniProt Primary Accession

Q6Z6K9

UniProt Secondary Accession

Q0E2R6

UniProt Related Accession

Q6Z6K9

UniProt Comments

Involved in the biosynthesis of jasmonic acid, a growth regulator that is implicated also as a signaling molecule in plant defense. Converts 13-hydroperoxylinolenic acid to 12,13-epoxylinolenic acid .

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