

Probable long-chain-alcohol O-fatty-acyltransferase 4 (AT4), Recombinant Protein

Cat *RP00432*

Size 0.02 mg/ 0.1 mg/ 5x0.1 mg

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Probable long-chain-alcohol O-fatty-acyltransferase 4 (AT4)

Product Gene Name

AT4 recombinant protein

Purity

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

Sequence

MEEELMSLIK VVVYAIISIS YCYTSTRIK SGVFRLLSVL PVCVLFLVLP LRVSSVHFSG STAFFLSWLA
NFKLILFSFD QGPLFPVPSN LSRFVCFTCF PIKLQQNPKP QNQMPKWGFA VKLAFFGVLL HMYEYKQHMS
PTVLLVLYSL HIYLEYEILL APLKVLLSIS LWCDLEPHFN EPYLSTSLQD FWGRRWNLMV PAILRPAVYL
PVRQMAGRKM NSDQALFLGV FASFLVSGVV HELIFFYFTR ESPTGEVTLF FVLHGVCTAA ECAAKRTRLV
RRWKVSQMVS RLLTVGVFVVM TGGWLFFPHL ARSGMIERLA DEAFLEFGFV KHKFFYLGRN QSLKS

Sequence Positions

1-345aa; full length protein

Format

Liquid containing glycerol

Host

Cell Free Expression

Molecular Weight

39,825 Da

Storage

Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Protein Family

Probable long-chain-alcohol O-fatty-acyltransferase

NCBI Accession

NP_200346.1

NCBI GI

15240497

NCBI GenBank Nucleotide

NM_124917.1

NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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835628

NCBI Official Full Name

putative long-chain-alcohol O-fatty-acyltransferase 4

NCBI Official Symbol

AT5G55350

NCBI Official Synonym Symbols

MTE17.6; MTE17_6

NCBI Protein Information

putative long-chain-alcohol O-fatty-acyltransferase 4

UniProt Gene Name

AT4

UniProt Protein Name

Probable long-chain-alcohol O-fatty-acyltransferase 4

UniProt Synonym Protein Names

Wax synthase 4

UniProt Entry Name

WXS4_ARATH

UniProt Primary Accession

Q9FJ75

UniProt Related Accession

Q9FJ75

UniProt Comments

Catalyzes the final step in the synthesis of long-chain linear esters (waxes).

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