

Long-chain-alcohol oxidase FAO3 (FAO3), Recombinant Protein

Cat *RP01855*

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

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Long-chain-alcohol oxidase FAO3 (FAO3)

Product Gene Name

FAO3 recombinant protein

Purity

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

Sequence

MDKYKVAGKF GLPDITVAEM ESLASFCEAV LPSVQPPPEE LSGEGDNHRN KEALRSFYST SGSKTPVLRQ
SIELVTKRGT IEAYIATRLI LFLATRLGT LLICGTECLV SRWPFVEKFS ELSLEKRERV LQKQFKNWIL
TPIRAAFVYI KVAFLFCFFS RVNPNGENPA WEAIGYRVNP DENKPSETHN ERPLEKGIVE TMEETEQTLL
ESLAHKGLEA VLDTEHDAIR IKCDVVVVGSGSGGGVAASV LAKSGLKVVV LEKGSYFTPS EHRPFEGPGL
DKLYENGGIL PSVDGSFMVL AGATVGGGSA VNWSACIKTP KSVLQEWSED QNIPLFGTKE YLTAMEVVWK
RMGVTEKCEL ESFQNQILRK GCENLGFNVE NVPRNSSESH YCGSCGYGCR QGDKKGS DRT WLVDVGHGA
VILTGCKAER FILEKNGSNK GGKQMKCLGV MAKSLNGNIA KMLKIEAKVT VSAGGALLTP PLMISSGLRN
RNIGKNLHLH PVLMAWGYFP DKESNISFK GNSYEGGIIT SVSKVLSEDS EVRAIETPQ LGPGSFSVLT
PWTSGLDMMK RMARYSRTAS LITIVRDRGS GEVKTEGRIN YTVDKTDRDN LKAGLRESLR ILIAAGAEV
GTHRSDGQRL ICKGVNENSI QEFLDSVSTE EGAKGMTEKW NVYSSAHQMG SCRIGENEKE GAIDLNGESW
EAEKLFVCDASALPSAVGVN PMITVMSTAY CISTRIAKSM TTGLSH

Sequence Positions

1-746aa; full length protein

Format

Liquid containing glycerol

Host

Cell Free Expression

Molecular Weight

81,389 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

Long-chain-alcohol oxidase

NCBI Accession

NP_566729.1

NCBI GI

18403753

NCBI GenBank Nucleotide

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Long-chain-alcohol oxidase FAO3 (FAO3), Recombinant Protein

Cat *RP01855*

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

NM_113244.2

NCBI GeneID

821922

NCBI Official Full Name

long-chain-alcohol oxidase FAO3

NCBI Official Symbol

FAO3

NCBI Official Synonym Symbols

ARABIDOPSIS FATTY ALCOHOL OXIDASE 3; ATFAO3; FAO3; fatty alcohol oxidase 3

NCBI Protein Information

long-chain-alcohol oxidase FAO3

NCBI Summary

Encodes a fatty alcohol oxidase.

UniProt Gene Name

FAO3

UniProt Protein Name

Long-chain-alcohol oxidase FAO3

UniProt Synonym Protein Names

Long-chain fatty alcohol oxidase 3

UniProt Entry Name

FAO3_ARATH

UniProt Primary Accession

Q9LW56

UniProt Secondary Accession

Q8LGV0

UniProt Related Accession

Q9LW56

UniProt Comments

Long-chain fatty alcohol oxidase involved in the omega-oxidation pathway of lipid degradation.

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