

Protein LATERAL ORGAN BOUNDARIES (LOB), Recombinant Protein

Cat RP00443

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Protein LATERAL ORGAN BOUNDARIES (LOB)

Product Gene Name

LOB recombinant protein

Product Synonym Gene Name

LOB

Purity

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

Sequence

MASSNSYNS PCAACKFLRR KCMPGCIFAP YFPPEEPHKF ANVHKIFGAS NVTKLLNELL PHQREDAVNS
LAYEAEARVR DPVYGCVGAI SYLQRQVHRL QKELDAANAD LAHYGLTSA AGAPGNVVDL VFQPQLPSQ
QLPPLNPVYR LSGASPVMNQ MPRGTGGSYG TFLPWNNNGHD QQGGNM

Sequence Positions

1-186, 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

20,227 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

Protein LATERAL ORGAN BOUNDARIES

NCBI Accession

NP_201114.1

NCBI GI

15242624

NCBI GenBank Nucleotide

NM_125703.4

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Size *0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1*

NCBI GeneID
836429 *mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*

NCBI Official Full Name

Lateral organ boundaries (LOB) domain family protein

NCBI Official Symbol

LOB

NCBI Official Synonym Symbols

LATERAL ORGAN BOUNDARIES; MDC12.5; MDC12_5

NCBI Protein Information

Lateral organ boundaries (LOB) domain family protein

NCBI Summary

Involved in lateral organ development

UniProt Gene Name

LOB

UniProt Synonym Gene Names

ASL4; AS2-like protein 4

UniProt Protein Name

Protein LATERAL ORGAN BOUNDARIES

UniProt Synonym Protein Names

ASYMMETRIC LEAVES 2-like protein 4; AS2-like protein 4

UniProt Primary Accession

Q9FML4

UniProt Secondary Accession

Q549W6; Q8VWF4; B7XG58

UniProt Related Accession

Q9FML4

UniProt Comments

Not known; ectopic expression of LOB leads to alterations in the size and shape of leaves and floral organs and causes male and female sterility.

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