Probable desiccation-related protein LEA14 (LEA14), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP04613*

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)*

Species
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name
Recombinant Arabidopsis thaliana Probable desiccation-related protein LEA14 (LEA14)

Product Gene Name
LEA14 recombinant protein

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

Sequence
MASLLDKAKD FVADKLTAIP KPEGSVTDVD LKDVNRDSVE YLAKVSVTNP YSHSIPICEI SFTFHSAGRE IGKGKIPDPG SLKAKDMTAL DIPVVVPYSI LFNLARDVGV DWDIDYELQI GLTIDLPVVG EFTIPISSKG EIKLPTFKDF F

Sequence Positions
1-151, 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
16,543 Da

Storage
Store at -20℃. For long-term storage, store at -20℃ or -80℃. Store working aliquots at 4℃ for up to one week. Repeated freezing and thawing is not recommended.

Protein Family
Probable desiccation-related protein

NCBI Accession
NP_171654.1

NCBI GI
15223413

NCBI GenBank Nucleotide
NM_100029.6

NCBI GeneID
837071

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NCBI Official Full Name
Late embryogenesis abundant protein

NCBI Official Symbol
LEA14

NCBI Official Synonym Symbols
F22L4.3; F22L4_3; LATE EMBRYOGENESIS ABUNDANT 14; LEA1; LIGHT STRESS-REGULATED 3; LSR3

NCBI Protein Information
Late embryogenesis abundant protein

NCBI Summary
Encodes late-embryogenesis abundant protein whose mRNA levels are induced in response to wounding and light stress. Might be involved in protection against dessication.

UniProt Gene Name
LEA14

UniProt Protein Name
Probable desiccation-related protein LEA14

UniProt Primary Accession
O03983

UniProt Secondary Accession
Q42314

UniProt Related Accession
O03983

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