Protein argonaute MEL1 (MEL1), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP11326*

Species
Oryza sativa subsp. japonica (Rice)

Full Product Name
Recombinant Oryza sativa subsp. japonica Protein argonaute MEL1 (MEL1), partial

Product Gene Name
MEL1 recombinant protein

Product Synonym Gene Name
MEL1

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
117,034 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
Protein argonaute

NCBI Accession
XP_015629235.1

NCBI GI
1002250078

NCBI GenBank Nucleotide
XM_015773749.1

NCBI GeneID
4334449

NCBI Official Full Name
protein argonaute MEL1

NCBI Official Symbol
LOC4334449

NCBI Official Synonym Symbols

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MEL1; MEAL1; OsMEL1

NCBI Protein Information
protein argonaute MEL1

UniProt Gene Name
MEL1

UniProt Synonym Gene Names
MEAL1; OsMEL1

UniProt Protein Name
Protein argonaute MEL1

UniProt Synonym Protein Names
Protein MEIOSIS ARRESTED AT LEPTOTENE 1; OsMEL1

UniProt Primary Accession
Q851R2

UniProt Secondary Accession
Q0DMP1; A0A0P0W4J0

UniProt Related Accession
Q851R2

UniProt Comments
Essential for the progression of premeiotic mitosis and meiosis during sporogenesis. Regulates the cell division of premeiotic germ cells, the proper modification of meiotic chromosomes, and the faithful progression of meiosis, probably via small RNA-mediated gene silencing. May be involved in histone H3 'Lys-9' demethylation in the pericentromeric region.

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