

Protein argonaute MEL1 (MEL1), Recombinant 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°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 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

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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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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