

Protein MEI2-like 2 (ML2), Recombinant Protein

Cat *RP00463*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Protein MEI2-like 2 (ML2) , partial

Product Gene Name

ML2 recombinant protein

Product Synonym Gene Name

ML2

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

93,215 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

NCBI Accession

NP_565990.1

NCBI GI

18406092

NCBI GenBank Nucleotide

NM_129850.4

NCBI GeneID

818890

NCBI Official Full Name

MEI2-like 2

NCBI Official Symbol

ML2

NCBI Official Synonym Symbols

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Protein MEI2-like 2 (ML2), Recombinant Protein

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AML2; F7D19.11; F7D19_11; MEI2-like 2

NCBI Protein Information

MEI2-like 2

NCBI Summary

A member of mei2-like gene family, predominantly plant-based family of genes encoding RNA binding proteins with characteristic presence of a highly conserved RNA binding motif first described in the mei2 gene of the fission yeast *S. pombe*. In silico analyses reveal nine mei2 -like genes in *A. thaliana*. They were grouped into four distinct clades, based on overall sequence similarity and subfamily-specific sequence elements. AML2 is a member of two sister clades of mei2-like gene family, AML1 through AML5, and belongs to the clade named ALM235. AML2 is expressed during early embryo development (heart and torpedo stage) and predominantly in vegetative organs; no significant accumulation was detected in floral apices.

UniProt Gene Name

ML2

UniProt Synonym Gene Names

MEI2; AML2

UniProt Protein Name

Protein MEI2-like 2

UniProt Synonym Protein Names

MEI2-like protein 2

UniProt Primary Accession

Q9SJG8

UniProt Secondary Accession

Q8S8G0; Q9ASS1; Q9SEU3

UniProt Related Accession

Q9SJG8

UniProt Comments

Probable RNA-binding protein that plays a role in meiosis and vegetative growth.

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