

Developmental protein SEPALLATA 2 (SEP2), Recombinant Protein

Cat *RP01959*

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-
Arabidopsis thaliana (Mouse-ear cress)
Cell)

Species

Full Product Name

Recombinant Arabidopsis thaliana Developmental protein SEPALLATA 2 (SEP2)

Product Gene Name

SEP2 recombinant protein

Purity

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

Sequence

MGRGRVELKR IENKINRQVT FAKRRNGLLK KAYELSVLCD AEVSLIVFSN RGKLYEFCST SNMLKTLERY
QKCSYGSIIEV NNKPAKELEN SYREYLKLG RYENLQRQQR NLLGEDLGPL NSKELEQLER QLDGSLKQVR
CIKTQYMLDQ LSDLQGKEHI LLDANRALSM KLEDMIGVRH HHIGGGWEGG DQQNIAYGHP QAHSQGLYQS
LECDPTLQIG YSHPVCSEQM AVTVQGGSQQ GNGYIPGWML

Sequence Positions

1-250, 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

28,578 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.

NCBI Accession

NP_186880.1

NCBI GI

15232883

NCBI GenBank Nucleotide

NM_111098.4

NCBI GeneID

821151

NCBI Official Full Name

K-box region and MADS-box transcription factor family protein

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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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 Symbol

SEP2

NCBI Official Synonym Symbols

AGAMOUS-like 4; AGL4; F14P3.4; F14P3_4; SEPALLATA 2; TRANSCRIPTION FACTOR

NCBI Protein Information

K-box region and MADS-box transcription factor family protein

NCBI Summary

MADS-box protein, binds K domain of AG in vivo

UniProt Gene Name

SEP2

UniProt Synonym Gene Names

AGL4

UniProt Protein Name

Developmental protein SEPALLATA 2

UniProt Synonym Protein Names

Agamous-like MADS-box protein AGL4

UniProt Primary Accession

P29384

UniProt Related Accession

P29384

UniProt Comments

Probable transcription factor. Functions with SEPALLATA1/AGL2 and SEPALLATA3/AGL9 to ensure proper development of petals, stamens and carpels and to prevent the indeterminate growth of the flower meristem. Forms a heterodimer via the K-box domain with AG, that could be involved in genes regulation during floral meristem development.

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