

Transcription factor MYB82 (MYB82), Recombinant Protein

Cat RP05278

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 Transcription factor MYB82 (MYB82)

Product Gene Name

MYB82 recombinant protein

Product Synonym Gene Name

MYB82

Purity

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

Sequence

MECKREEGKS YVKRGLWKPE EDMILKSYVE THGEGNWADI SRRSGLKRGG KSCRLRWKNY LRPNIKR GSM
SPQEQLIIR MHKLLGNRWS LIAGRLPGRT DNEVKNYWNT HLNKKPNSRR QNAPESIVGA TPFTDKPVMS
TELRRSHGEG GEEESNTWME ETNHFGYDVH VGSPLPLISH YPDNTLVFDP CFSFTDFFPL L

Sequence Positions

1-201, 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

23,292 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

Transcription factor

NCBI Accession

NP_680426.1

NCBI GI

22327794

NCBI GenBank Nucleotide

NM_148121.3

NCBI GeneID

835337

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(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-
myb domain protein 82
Cell)

NCBI Official Symbol

MYB82

NCBI Official Synonym Symbols

AtMYB82; myb domain protein 82

NCBI Protein Information

myb domain protein 82

NCBI Summary

Encodes a nuclear-localized transcription activator that is a member of the R2R3 factor gene family. MYB82 and GL1 can form homodimers and heterodimers at R2R3-MYB domains. At least one of the two introns in MYB82 is essential to the protein's trichome developmental function.

UniProt Gene Name

MYB82

UniProt Synonym Gene Names

AtMYB82

UniProt Protein Name

Transcription factor MYB82

UniProt Synonym Protein Names

Myb-related protein 82; AtMYB82

UniProt Primary Accession

Q9LTF7

UniProt Secondary Accession

O49804; Q9SQJ6; Q9ZTC4

UniProt Related Accession

Q9LTF7

UniProt Comments

Transcription activation factor positively regulating trichomes development (PubMed:24803498). Has a function nearly equivalent to that of GL1 and can complement gl1 mutants (PubMed:24803498).

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