

# MADS-box transcription factor 1 (MADS1), Recombinant Protein

Cat RP12562

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)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)  
Oryza sativa subsp. japonica (Rice)

## Full Product Name

Recombinant Oryza sativa subsp. japonica MADS-box transcription factor 1 (MADS1)

## Product Gene Name

MADS1 recombinant protein

## Product Synonym Gene Name

MADS1

## Purity

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

## Sequence

MGRGKVELKR IENKISRQVT FAKRRNGLLK KAYELSLLCD AEVALIIFSG RGRLEFEFSSS SCMYKTLERY  
RSCNYNSQDA AAPENEINYQ EYLKLRTRVE FLQTTQRNIL GEDLGPLSMK ELEQLENQIE VSLKQIRSRK  
NQALLDQLFD LKSKEQQLQD LNKDLRKKLQ ETS AENVLHM SWQDGGGHSG SSTVLADQPH HHQGLLHPHP  
DQGDHSLQIG YHHPAHHHQ AYMDHLSNEA ADMVAHHPNE HIPSGWI

## Sequence Positions

1-257, 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

29,528 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 #

XP\_015628585.1

## NCBI GI #

1002248834

## NCBI GenBank Nucleotide #

XM\_015773099.1

## NCBI GeneID

4332059

## NCBI Official Full Name

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)  
MADS-box transcription factor 1  
**NCBI Official Symbol**  
LOC4332059

## NCBI Official Synonym Symbols

Lhs1; MADS1; OsMADS1

## NCBI Protein Information

MADS-box transcription factor 1

## UniProt Gene Name

MADS1

## UniProt Synonym Gene Names

LHS1

## UniProt Protein Name

MADS-box transcription factor 1

## UniProt Synonym Protein Names

OsMADS1; Protein LEAFY HULL STERILE 1; Protein SEPALLATA-like

## UniProt Primary Accession #

Q10PZ9

## UniProt Secondary Accession #

Q3ZES6; Q40700; B7EGS6

## UniProt Related Accession #

Q10PZ9

## UniProt Comments

Probable transcription factor involved in the development of floral organs. Required for the formation of inner floral organs (lodicules, stamens and carpels, or whorls 2, 3 and 4) and the lemma and palea (whorl 1), which are grass floral organs analogous to sepals. May be involved in the control of flowering time. Seems to act as transcriptional activator. May act upstream of the auxin-responsive protein GH3.8.

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