

Probable LRR receptor-like serine/threonine-protein kinase MRH1 (MRH1), Recombinant Protein

Cat *RP01786*

Size 0.5 mg (*E-Coli*)/ 0.05 mg (*Baculovirus*)/ 0.5 mg (*Yeast*)/ 0.05 mg (*Mammalian-Cell*)/ 1 mg (*E-Coli*)/ 0.1 mg (*Baculovirus*)/ 1 mg (*Yeast*)/ 0.1 mg (*Mammalian-Cell*)

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Probable LRR receptor-like serine/threonine-protein kinase MRH1 (MRH1), partial

Product Gene Name

MRH1 recombinant protein

Purity

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

Sequence

LTSQG SALLKFRARV NSDPHGTLAN WNVSGINDLC YWSGVTCVDG KVQILDLSGY SLEGTLAPEL
SQLSDLRLSLI LSRNHFSGGI PKEYGSFENL EVLDLRENDL SGQIPPELSN GLSLKHLLLS GNKFSDDMRI
KIVRLQSSYE VRLKKSPKLS PLAVLGCINR KLGHCVSRNR IIQVKKVEAI VFRIKATSRR FLKAFPSFLE
ETDIYKRREL LEETSNLAAE PAPSAPSPSP GIITEASPRS SGSFPAVTNA KKRRPPLVPP VPSPDKGSTS
PDISKNQPQD NKQSKGSKHV WLY

Sequence Positions

26-323

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E. coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

75,820 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_193599.3

NCBI GI

145340395

NCBI GenBank Nucleotide

NM_117980.5

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI GeneID

827598

NCBI Official Full Name

Leucine-rich repeat protein kinase family protein

NCBI Official Symbol

MRH1

NCBI Official Synonym Symbols

F28A21.50; F28A21_50; morphogenesis of root hair 1

NCBI Protein Information

Leucine-rich repeat protein kinase family protein

NCBI Summary

Required for root hair elongation during tip growth.

UniProt Gene Name

MDIS2

UniProt Synonym Gene Names

; AtMDIS2

UniProt Protein Name

Protein MALE DISCOVERER 2

UniProt Synonym Protein Names

Probable LRR receptor-like serine/threonine-protein kinase MRH1

UniProt Primary Accession

C0LGQ4

UniProt Secondary Accession

Q9M0L9; Q9SN49

UniProt Related Accession

C0LGQ4

UniProt Comments

Involved in the pollen tube perception of the female signal by binding an unidentified female attractant (PubMed:26863186). May be involved in the regulation of root hairs development (PubMed:16367956).

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