

Protein MKS1 (MKS1), Recombinant Protein

Cat RP02567

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 Protein MKS1 (MKS1)

Product Gene Name

MKS1 recombinant protein

Product Synonym Gene Name

MKS1

Purity

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

Sequence

MDPSEYFAGG NPSDQQNQKR QLQICGPRPS PLSVHKDSHK IKKPPKHPAP PPNRDQPPPY IPREPVVIYA
VSPKVVHATA SEFMNVVQRL TGISSGVFLE SGGGGDVSPA ARLASTENAS PRGGKEPAAR DETVEINTAM
EEAAEFGGYA PGILSPSPAL LPTASTGIFS PMYHQGGMFS PAIPLGLFSP AGFMSPFRSP GFTSLVASPT
FADFFSHIWD QD

Sequence Positions

1-222, 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

23,582 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_566616.1

NCBI GI

18401970

NCBI GenBank Nucleotide

NM_112755.2

NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

821400 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 Full Name

MAP kinase substrate 1

NCBI Official Symbol

MKS1

NCBI Official Synonym Symbols

MAP kinase substrate 1

NCBI Protein Information

MAP kinase substrate 1

NCBI Summary

Encodes a nuclear-localized member of a plant specific gene family involved in mediating responses to pathogens. Interacts with WRKY transcriptional regulators.

UniProt Gene Name

MKS1

UniProt Synonym Gene Names

; AtVQ21

UniProt Protein Name

Protein MKS1

UniProt Synonym Protein Names

Protein MAP kinase 4 substrate 1; VQ motif-containing protein 21

UniProt Primary Accession

Q8LGD5

UniProt Secondary Accession

Q9LSA8

UniProt Related Accession

Q8LGD5

UniProt Comments

Regulator of plant defense response. May contribute to MPK4-regulated defense activation by coupling the kinase to specific WRKY transcription factors.

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