

Mitogen-activated protein kinase 7 (MPK7), Recombinant Protein

Cat RP01802

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 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)
Species Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Mitogen-activated protein kinase 7 (MPK7)

Product Gene Name

MPK7 recombinant protein

Product Synonym Gene Name

MPK7

Purity

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

Sequence

MAMLVEPPNG IKQQGKHYYS MWQTLFEIDT KYVPIKPIGR GAYGVVCCSI NRETNERVAI KKIHNVFENR
VDALRTLREL KLLRHVRHEN VIALKDVMLP ANRSSFKDVY LVEYELMDTDL HQIIKSSQSL SDDHCKYFLF
QLLRGLKYLH SANILHRDLK PGNLLVNANC DLKICDFGLA RTSQGNEQFM TEYVVTRWYR APELLCCDN
YGTSIDVWSV GCIFAEILGR KPIFPGTECL NQLKLIINVV GSQQESDIRF IDNPKARRFI KSLPYSRGTH
LSNLYPQANP LAIDLLQRML VFDPTKRISV TDALLHPYMA GLFDPGSNPP AHVPISLDID ENMEEPVIRE
MMWNEMLYYH PEAEISNA

Sequence Positions

1-368, 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

42,299 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

Mitogen-activated protein kinase

NCBI Accession

NP_179409.1

NCBI GI

15224120

NCBI GenBank Nucleotide

NM_127374.4

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)

NCBI GeneID

816330

NCBI Official Full Name

MAP kinase 7

NCBI Official Symbol

MPK7

NCBI Official Synonym Symbols

ATMPK7; F8D23.5; F8D23_5; MAP kinase 7

NCBI Protein Information

MAP kinase 7

UniProt Gene Name

MPK7

UniProt Synonym Gene Names

AtMPK7; MAP kinase 7

UniProt Protein Name

Mitogen-activated protein kinase 7

UniProt Primary Accession

Q39027

UniProt Secondary Accession

Q56W33; Q9SI14

UniProt Related Accession

Q39027

UniProt Comments

MKK3-MPK7 module acts as a positive regulator of PR1 gene expression.

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