MLO protein homolog 1 (MLO1), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP10862*

Species
Oryza sativa subsp. indica (Rice)

Full Product Name
Recombinant Oryza sativa subsp. indica MLO protein homolog 1 (MLO1)

Product Synonym Names
Recombinant MLO protein homolog 1 (MLO1); MLO protein homolog 1; OsMLO1

Product Gene Name
MLO1 recombinant protein

Product Synonym Gene Name
MLO1; MLO-H1; OsI_022215

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

Sequence
MAGGRSGSRE LPETPTWAVA VVCAVLVLVS AAMEHGLHNL SHWFRRRQKK AMGDALDKIK AELMLLGFIS LLLTVAQAPI SKICIPKSAA NILLPCKAGQ DAIEEEAASG RRSLAGAGGG DYCSKFDGKV ALMSAKSMHQ LHIFIFVLAV FHVTYCIITM GLGRLKMKKW KKWESQTNSL EYQFAIDPSR FRFTHQTSFV KRHLGSFSST PGLRWIVAFF RQFFGSVTKV DYLTMRQGFI NAHLSQNSKF DFHKYIKRSL EDDFKVVVGI SLPLWFVGIL VLFLDIHGLG TLIWISFVPL IIVLLVGTKL EMVIMEMAQE IQDRATVIQG APMVEPSNKY FWFNRPDWVL FFIHLTLFHN AFQMAHFVWT MATPGLKKCF HENIWLSIVE VIVGISLQVL CSYITFPLYA LVTQMGSNMK KTIFEEQTMK ALMNWRKKAM EKKKVRDADA FLAQMSVDFA TPASSRSASP VHLLQDHRAR SDDPPSPITV ASPPAPEEDM YPVPAAAASR QLLDDPPDRR WMASSSADIA DSDFSFSAQR

Sequence Positions
1-540

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

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
60,707 Da

Storage
Store at -20℃. For extended storage, store at -20 or -80℃.

Protein Family
MLO-like protein

UniProt Gene Name
MLO1

UniProt Synonym Gene Names

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MLO-H1

UniProt Protein Name

MLO protein homolog 1

UniProt Synonym Protein Names

OsMLO1

UniProt Entry Name

MLOH1_ORYSI

UniProt Primary Accession

A2YD22

UniProt Secondary Accession

O49914; Q67W42; Q84TU0

UniProt Comments

Function: May be involved in modulation of pathogen defense and leaf cell death. Activity seems to be regulated by Ca2+-dependent calmodulin binding and seems not to require heterotrimeric G proteins By similarity.Subcellular location: Membrane; Multi-pass membrane protein By similarity. Domain: The C-terminus contains a calmodulin-binding domain, which binds calmodulin in a calcium-dependent fashion By similarity.Sequence similarities: Belongs to the MLO family.

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