

Recombinant Mouse-ear cress MKK1 Protein (Met1-Asn354), N-Fc tagged

Cat. No. MEK1-5558A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse-ear cress MKK1 (Met1-Asn354) fused with the N-Fc tag was expressed in Mammalian cells.
Species	Arabidopsis thaliana
Source	Mammalian Cells
ProteinLength	Met1-Asn354
Form	Lyophilized powder/frozen liquid
Molecular Mass	67.49 kDa
Purity	> 90 % as determined by SDS-PAGE
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Shipping They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name MEK1 MAP kinase/ ERK kinase 1 [*Arabidopsis thaliana* (thale cress)]

Official Symbol MEK1

Synonyms

MEK1; MAP kinase/ ERK kinase 1; ATMEK1; F20B18.180; F20B18_180; MAP kinase/ ERK kinase 1; MITOGEN ACTIVATED PROTEIN KINASE KINASE; MITOGEN ACTIVATED PROTEIN KINASE KINASE 1; MKK1; NMAPKK; MAP kinase/ ERK kinase 1; MAP kinase/ ERK kinase 1 (MEK1); CONTAINS InterPro DOMAIN/s: Protein kinase, ATP binding site (InterPro:IPR017441), Serine/threonine-protein kinase domain (InterPro:IPR002290), Serine/threonine-protein kinase-like domain (InterPro:IPR017442), Protein kinase-like domain (InterPro:IPR011009), Serine/threonine-protein kinase, active site (InterPro:IPR008271), Protein kinase, catalytic domain (InterPro:IPR000719), Tyrosine-protein kinase, catalytic domain (InterPro:IPR020635); BEST *Arabidopsis thaliana* protein match is: MAP kinase kinase 2 (TAIR:AT4G29810.1); Has 130463 Blast hits to 128654 proteins in 4456 species: Archae - 177; Bacteria - 14997; Metazoa - 47934; Fungi - 12724; Plants - 32939; Viruses - 535; Other Eukaryotes - 21157 (source: NCBI BLink).; MAP kinase/ ERK kinase 1 (MEK1); CONTAINS InterPro DOMAIN/s: Protein kinase, ATP binding site (InterPro:IPR017441), Protein kinase, catalytic domain (InterPro:IPR000719), Serine/threonine-protein kinase-like domain (InterPro:IPR017442), Protein kinase-like domain (InterPro:IPR011009), Serine/threonine-protein kinase, active site (InterPro:IPR008271); BEST *Arabidopsis thaliana* protein match is: MAP kinase kinase 2 (TAIR:AT4G29810.1); Has 128112 Blast hits to 126672 proteins in 4377 species: Archae - 175; Bacteria - 14621; Metazoa - 47197; Fungi - 12494; Plants - 32367; Viruses - 521; Other Eukaryotes - 20737 (source: NCBI BLink).; MAP kinase/ ERK kinase 1 (MEK1); CONTAINS InterPro DOMAIN/s: Protein kinase, ATP binding

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site (InterPro:IPR017441), Protein kinase, catalytic domain (InterPro:IPR000719), Serine/threonine-protein kinase domain (InterPro:IPR002290), Tyrosine-protein kinase, catalytic domain (InterPro:IPR020635), Serine/threonine-protein kinase-like domain (InterPro:IPR017442), Protein kinase-like domain (InterPro:IPR011009), Serine/threonine-protein kinase, active site (InterPro:IPR008271); BEST Arabidopsis thaliana protein match is: MAP kinase kinase 2 (TAIR:AT4G29810.1); Has 35333 Blast hits to 34131 proteins in 2444 species: Archae - 798; Bacteria - 22429; Metazoa - 974; Fungi - 991; Plants - 531; Viruses - 0; Other Eukaryotes - 9610 (source: NCBI BLink).

Gene ID	828713
mRNA Refseq	NM_118740
Protein Refseq	NP_194337
UniProt ID	Q94A06