

Recombinant Mouse Map2k2 Protein, Myc/DDK-tagged

Cat. No. Map2k2-3921M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length mitogen-activated protein kinase kinase 2 (Map2k2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates the ERK1 and ERK2 MAP kinases. Activates BRAF in a KSR1 or KSR2-dependent manner; by binding to KSR1 or KSR2 releases the inhibitory intramolecular interaction between KSR1 or KSR2 protein kinase and N-terminal domains which promotes KSR1 or KSR2-BRAF dimerization and BRAF activation.
Molecular Mass	44.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Map2k2 mitogen-activated protein kinase kinase 2 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Map2k2](#)

Synonyms MAP2K2; mitogen-activated protein kinase kinase 2; dual specificity mitogen-activated protein kinase kinase 2; MEK 2; MAPKK 2; MAPK/ERK kinase 2; MAP kinase kinase 2; MAP kinase/Erk kinase; ERK activator kinase 2; mitogen activated protein kinase kinase 2; protein kinase, mitogen activated, kinase 2, p45; MK2; MEK2; Prkmk2; AA589381

Gene ID [26396](#)

mRNA Refseq [NM_023138](#)

Protein Refseq [NP_075627](#)

UniProt ID [Q63932](#)

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