

Recombinant Human v protein, MYC/DDK-tagged

Cat. No. MAP2K1-167H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human MAP2K1(mutant D67N) fused with MYC/DDK tag at C-terminal was expressed in HEK293.

Species Human

Source HEK293

Description The protein encoded by this gene is a member of the dual specificity protein kinase family, which acts as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein kinase lies upstream of MAP kinases and stimulates the enzymatic activity of MAP kinases upon wide variety of extra- and intracellular signals. As an essential component of MAP kinase signal transduction pathway, this kinase is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development.

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

Molecular Mass 43.2 kDa

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name MAP2K1 mitogen-activated protein kinase kinase 1 [Homo sapiens]

Official Symbol MAP2K1

Synonyms MAP2K1; mitogen-activated protein kinase kinase 1; PRKMK1; dual specificity mitogen-activated protein kinase kinase 1; MAPKK1; MEK1; MEK 1; MAPKK 1; MAPK/ERK kinase 1; MAP kinase kinase 1; ERK activator kinase 1; protein kinase, mitogen-activated, kinase 1 (MAP kinase kinase 1); MKK1;

Gene ID 5604

mRNA Refseq NM_002755

Protein Refseq NP_002746

MIM 176872

UniProt ID Q02750

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