

Recombinant Human MAP3K3 Protein, His-tagged

Cat. No. MAP3K3-735H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAP3K3, transcript variant 2, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene product is a 626-amino acid polypeptide that is 96.5% identical to mouse Mekk3. Its catalytic domain is closely related to those of several other kinases, including mouse Mekk2, tobacco NPK, and yeast Ste11. Northern blot analysis revealed a 4.6-kb transcript that appears to be ubiquitously expressed. This protein directly regulates the stress-activated protein kinase (SAPK) and extracellular signal-regulated protein kinase (ERK) pathways by activating SEK and MEK1/2 respectively; it does not regulate the p38 pathway. In cotransfection assays, it enhanced transcription from a nuclear factor kappa-B (NFkB)-dependent reporter gene, consistent with a role in the SAPK pathway. Alternatively spliced transcript variants encoding distinct isoforms have been observed.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl. 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.
Molecular Mass	70.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

 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

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

GENE INFORMATION

Gene Name MAP3K3 mitogen-activated protein kinase kinase kinase 3 [Homo sapiens]

Official Symbol MAP3K3

Synonyms MAP3K3; mitogen-activated protein kinase kinase kinase 3; MEKK3; MAP/ERK kinase kinase 3; MAPK/ERK kinase kinase 3; MAPKKK3; MEKK 3; MEK kinase 3;

Gene ID 4215

mRNA Refseq NM_002401

Protein Refseq NP_002392

MIM 602539

UniProt ID Q99759

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