

## Recombinant Human MAP2K2 Protein (E55-V400), His tagged

Cat. No. MAP2K2-0227H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human 6His-TEV-MEK2(E55-V400 end) Protein was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	E55-V400
<b>Description</b>	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.
<b>Form</b>	Liquid
<b>Endotoxin</b>	< 0.01 EU per µg of the protein
<b>Purity</b>	90%
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Supplied as sterile 50mM Tris-HCl (pH 7.5), 200mM NaCl, 20% glycerol
<b>Shipping</b>	It is shipped out with blue ice.

## GENE INFORMATION

<b>Gene Name</b>	MAP2K2 mitogen-activated protein kinase kinase 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	MAP2K2
<b>Synonyms</b>	MAP2K2; mitogen-activated protein kinase kinase 2; PRKMK2; dual specificity mitogen-activated protein kinase kinase 2; MEK2; MAPK/ERK kinase 2; MAP kinase kinase 2; ERK activator kinase 2; mitogen-activated protein kinase kinase 2, p45; MKK2; MAPKK2; FLJ26075;
<b>Gene ID</b>	5605
<b>mRNA Refseq</b>	NM_030662
<b>Protein Refseq</b>	NP_109587
<b>MIM</b>	601263
<b>UniProt ID</b>	P36507

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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