

## Recombinant Human MAPK3 protein

Cat. No. MAPK3-1031M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MAPK3 was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Full Length
<b>Form</b>	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
<b>Molecular Mass</b>	~44 kDa
<b>Purity</b>	>90 %
<b>Applications</b>	Kinase Assay, Western Blot
<b>Stability</b>	1 yr at -70 centigrade from date of shipment
<b>Storage</b>	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
<b>Concentration</b>	0.2 ug/ul

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**Shipping** Product shipped on dry ice

## GENE INFORMATION

**Gene Name** [MAPK3 mitogen-activated protein kinase 3 \[ Homo sapiens \]](#)

**Official Symbol** [MAPK3](#)

**Synonyms** MAPK3; mitogen-activated protein kinase 3; PRKM3; ERK1; p44erk1; p44mapk; MAPK 1; MAP kinase 1; MAP kinase 3; MAP kinase isoform p44; insulin-stimulated MAP2 kinase; mitogen-activated protein kinase 1; extracellular signal-related kinase 1; extracellular signal-regulated kinase 1; microtubule-associated protein 2 kinase; ERT2; ERK-1; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK; MGC20180;

**Gene ID** [5595](#)

**mRNA Refseq** [NM\\_002746](#)

**Protein Refseq** [NP\\_002737](#)

**MIM** [601795](#)

**UniProt ID** [P27361](#)

**Chromosome Location** 16p11.2

**Pathway** ALK1 signaling events, organism-specific biosystem; ARMS-mediated activation, organism-specific biosystem; ATF-2 transcription factor network, organism-specific biosystem; Activated TLR4 signalling, organism-specific biosystem; Activation of the

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AP-1 family of transcription factors, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem;

**Function**

ATP binding; MAP kinase activity; MAP kinase activity; nucleotide binding; phosphatase binding; phosphotyrosine binding; protein binding; protein serine/threonine kinase activity;

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