

Recombinant Human MAPKAPK2

Cat. No. MAPKAPK2-27129TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MAPKAP Kinase 2 with N-terminal proprietary tag expressed in a Baculovirus expression system, 72 kDa.
Species	Human
Description	This gene encodes a member of the Ser/Thr protein kinase family. This kinase is regulated through direct phosphorylation by p38 MAP kinase. In conjunction with p38 MAP kinase, this kinase is known to be involved in many cellular processes including stress and inflammatory responses, nuclear export, gene expression regulation and cell proliferation. Heat shock protein HSP27 was shown to be one of the substrates of this kinase in vivo. Two transcript variants encoding two different isoforms have been found for this gene.
Tissue specificity	Expressed in all tissues examined.
Form	Liquid
Storage buffer	Preservative: None Constituents: 50% Glycerol, 0.05% Tween 20, 3mM DTT, 25mM Tris HCl, 138mM Sodium chloride, pH 8
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. Contains 1 protein kinase domain.

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Full Length
Full L.

GENE INFORMATION

Gene Name

MAPKAPK2 mitogen-activated protein kinase-activated protein kinase 2 [Homo sapiens]

Official Symbol

MAPKAPK2

Synonyms

MAPKAPK2; mitogen-activated protein kinase-activated protein kinase 2; MAP kinase-activated protein kinase 2;

Gene ID

9261

mRNA Refseq

NM_004759

Protein Refseq

NP_004750

MIM

602006

Uniprot ID

P49137

**Chromosome
Location**

1q32

Pathway

Activated TLR4 signalling, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; CREB phosphorylation, organism-specific biosystem; Destabilization of mRNA by Butyrate Response Factor 1 (BRF1), organism-specific biosystem; Destabilization of mRNA by Tristetraprolin (TTP), organism-specific biosystem;

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Function

ATP binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity;

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