

Recombinant Human MAPKAPK2 protein, His & T7-tagged

Cat. No. MAPKAPK2-6987H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAPKAPK2 aa. (Glu139~Tyr367 (Accession # P49137)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Glu139~Tyr367
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.3kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 6.2.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	MAPKAPK2 mitogen-activated protein kinase-activated protein kinase 2 [Homo sapiens (human)]
Official Symbol	MAPKAPK2
Synonyms	MAPKAPK2; mitogen-activated protein kinase-activated protein kinase 2; MK2; MK-2; MAPKAP-K2; MAP kinase-activated protein kinase 2; MAPK-activated protein kinase 2; MAPKAP kinase 2
Gene ID	9261
mRNA Refseq	NM_004759.4

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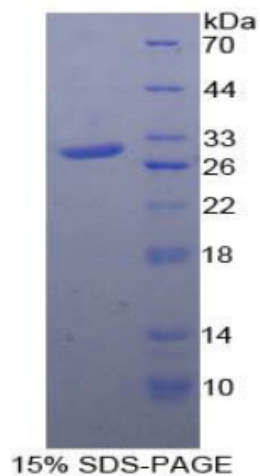
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Protein Refseq NP_004750.1

UniProt ID P49137

SDS-PAGE



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