

Recombinant Human MAPKAPK2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MAPKAPK2-1867H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MAPKAPK2 MS Standard C13 and N15-labeled recombinant protein (NP_116584) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	45.4 kDa
AA Sequence	MLSNSQGQSPPVPFPAPAPPPQPPTPALPHPPAQPPPPPPQQFPQFHVKSGLQIKK NAIIDDYKVTSQLGLGINGKVLQIFNKRTQEKFALKMLQDCPKARREVELHWRASQ CPHIVRIVDVYENLYAGRKCLLIVMECLDGGELFSRIQDRGDQAFTEREASEIMKSIG EAIQYLHSINIAHRDVKPENLLYTSKRPNAILKLTDGFAKETTSNLSLTPCYTPYYV APEVLGPEKYDKSCDMWSLGVIMYILLCGYPPFYSNHGLAISPGMKTRIRMGQYEF NPEWSEVSEEVKMLIRNLLKTEPTQRMTITEFMNHPWIMQSTKVPQTPLHTSRVLKE

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DKERWEDVKEEMTSALATMRVDYEQIKIKKIEDASNPLLLKRRKKARALEAAALAHT
RTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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; MAP kinase-activated protein kinase 2; MAPKAP kinase 2; MAPK-activated protein kinase 2; MK2; MK-2; MAPKAP-K2;
Gene ID	9261
mRNA Refseq	NM_032960
Protein Refseq	NP_116584

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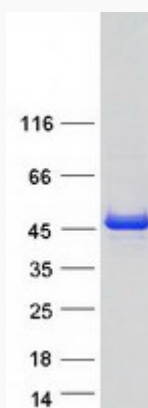
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MIM 602006

UniProt ID P49137

SDS-PAGE



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