

## Recombinant Human MAPKAPK2 Protein, MYC/DDK-tagged

**Cat. No.** MAPKAPK2-550H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human MAPKAPK2 protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | 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. [provided by RefSeq, Jul 2008] |
| <b>Form</b>             | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 45.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### GENE INFORMATION

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|------------------------|-----------------------------------------------------------------------------|
| <b>Gene Name</b>       | mitogen-activated protein kinase-activated protein kinase 2[ Homo sapiens ] |
| <b>Official Symbol</b> | MAPKAPK2                                                                    |
| <b>Synonyms</b>        | MAPKAP-K2; MK-2; MK2                                                        |
| <b>Gene ID</b>         | 9261                                                                        |
| <b>mRNA Refseq</b>     | NM_004759.4                                                                 |
| <b>Protein Refseq</b>  | NP_004750.1                                                                 |
| <b>MIM</b>             | 602006                                                                      |
| <b>UniProt ID</b>      | P49137                                                                      |

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