

## Recombinant Human MAPKAPK2 (N-His tag)

Cat No:HR2R1690

For research use only

### Overview

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Quantity           | 10 µg                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Symbol        | MAPKAPK2                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene ID            | N/A                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Accession          | NM_032960                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Alternative Name   | (2 isoforms)                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Species            | Human                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Source             | Insect cells                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Description        | MAPKAPK2 (MAPKAP kinase2) is a Ser/Thr protein kinase which is regulated via direct phosphorylation by p38 MAP kinase . In conjunction with p38 MAP kinase, MAPKAPK2 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 has been shown to be one of the substrates of MAPKAPK2, in vivo. |
| Functions          | The specific activity of MAPKAPK2 was determined to be 450nmol /min/mg as per activity assay protocol.                                                                                                                                                                                                                                                                                                                            |
| Formulation        | 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.                                                                                                                                                                                                                                                                                                                                  |
| Solubility         | N/A                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Appearance         | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Molecular Weight   | 41                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purity             | 70% - 90%                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Concentration      |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Shipping Condition | Dry Ice                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Storage Condition  | Store product at -70°C. 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.                                                                                                                                                                                           |