

## MAPKAPK3 recombinant protein

MAPKAPK3, Active

|                              |                                                   |                                     |
|------------------------------|---------------------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA73032</b> | HOST<br><b>Sf9 insect cells using baculovirus</b> | APPLICATIONS<br><b>Western Blot</b> |
|------------------------------|---------------------------------------------------|-------------------------------------|

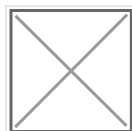
### PRODUCT SYNONYMS

MAPKAPK3; Active; MAPKAPK3 recombinant protein

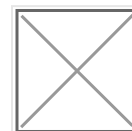
### PRODUCT SPECIFICATIONS

|                                                          |                                                                                                                                                                                                                                                      |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                     | Sf9 insect cells using baculovirus                                                                                                                                                                                                                   |
| Form/Format                                              | 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.                                                                                                                                                     |
| Sequence Positions                                       | Full Length                                                                                                                                                                                                                                          |
| Sequence Length                                          | 2553                                                                                                                                                                                                                                                 |
| Applicable Applications for MAPKAPK3 recombinant protein | WB (Western Blot), Kinase Assay                                                                                                                                                                                                                      |
| Species                                                  | Human                                                                                                                                                                                                                                                |
| Tag                                                      | GST tag                                                                                                                                                                                                                                              |
| Dry Ice Note                                             | The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.                                                                                                                                                   |
| Preparation and Storage                                  | Store product at -70 degree C.<br>For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature.<br>For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |

### IMAGES



Application Data



Application Data

### ADDITIONAL INFORMATION

|                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for MAPKAPK3 recombinant protein | <p>Description: Recombinant full-length human MAPKAPK3 was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag.</p> <p>Scientific Background: MAPKAPK3 is closely related to MAPKAPK2 sharing 72% nucleotide and 75% amino acid identity (1). MAPKAPK3 is activated by growth inducers and stress stimulation of cells. In vitro studies demonstrated that ERK, p38 MAP kinase and Jun N-terminal kinase were all able to phosphorylate and activate this kinase, which suggested the role of MAPKAPK3 as an integrative element of signaling in both mitogen and stress responses (2).</p> |
| Product Categories/Family for MAPKAPK3 recombinant protein   | <a href="#">Enzymes</a> ; <a href="#">Active Kinases</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| References                                                   | <p>1. Sithanandam, G. et al: 3pK a new mitogen-activated protein kinase-activated protein kinase located in the small cell lung cancer tumor suppressor gene region. Molec. Cell. Biol. 16: 868-876, 1996.</p> <p>2. Ludwig, S. et al: 3pK, a novel mitogen-activated protein (MAP) kinase-activated protein kinase, is targeted by three MAP kinase pathways. Molec. Cell. Biol. 16: 6687-6697, 1996.</p>                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 345441754                                                                                                       |
| NCBI GeneID                      | 7867                                                                                                            |
| NCBI Accession #                 | NM_004635.4                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_004635                                                                                                       |
| UniProt Accession #              | Q16644; B5BU67                                                                                                  |
| Molecular Weight                 | ~69 kDa                                                                                                         |
| NCBI Official Full Name          | Homo sapiens mitogen-activated protein kinase-activated protein kinase 3 (MAPKAPK3), transcript variant 3, mRNA |
| NCBI Official Synonym Full Names | mitogen-activated protein kinase-activated protein kinase 3                                                     |
| NCBI Official Symbol             | MAPKAPK3                                                                                                        |
| NCBI Official Synonym Symbols    | 3PK; MK-3; MDPT3; MAPKAP3; MAPKAP-K3; MAPKAPK-3                                                                 |
| NCBI Protein Information         | MAP kinase-activated protein kinase 3                                                                           |
| UniProt Protein Name             | MAP kinase-activated protein kinase 3                                                                           |
| UniProt Gene Name                | MAPKAPK3                                                                                                        |
| UniProt Synonym Gene Names       | MAPK-activated protein kinase 3; MAPKAP kinase 3; MAPKAP-K3; MAPKAPK-3; MK-3; 3pK                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mapkapk3-recombinant-protein-sf9-insect-cells-using-baculovirus-wb-western-blot-kinase-assay/73032>