

Bioactive

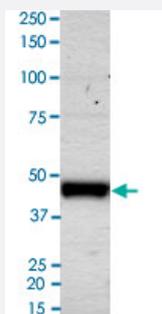
Full-Length

# MAPKAPK2 (Human) Recombinant Protein

Catalog # P4716

Size 100 ug

## Applications



## Result of activity analysis

Result of activity analysis

## Specification

<b>Product Description</b>	Human MAPKAPK2 (NM_004759, 1 a.a.- 370 a.a.) full-length recombinant protein expressed in Sf9 cells.
<b>Host</b>	insect
<b>Theoretical MW (kDa)</b>	42.329
<b>Form</b>	Liquid
<b>Preparation Method</b>	Insect cell (Sf9) expression system
<b>Purification</b>	Immobilized metal affinity chromatography
<b>Concentration</b>	0.340 ug/uL

<b>Activity</b>	101 pmol/ug x min
<b>Quality Control Testing</b>	2 ug/lane SDS-PAGE Stained with Coomassie Blue
<b>Storage Buffer</b>	In 50 mM Hepes, 100 mM NaCl, pH 7.5. (5 mM DTT, 20% glycerol)
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing
<b>Note</b>	Result of activity analysis Result of activity analysis

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — MAPKAPK2

<b>Entrez GeneID</b>	<a href="#">9261</a>
<b>Protein Accession#</b>	<a href="#">NM_004759</a>
<b>Gene Name</b>	MAPKAPK2
<b>Gene Alias</b>	MK2
<b>Gene Description</b>	mitogen-activated protein kinase-activated protein kinase 2
<b>Omim ID</b>	<a href="#">602006</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</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]
<b>Other Designations</b>	OTTHUMP00000034531 OTTHUMP00000034532

## Pathway

- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [VEGF signaling pathway](#)