

## Recombinant Human MAPKAPK3

Catalog No: #GP13635

Package Size: #GP13635-1 100ug

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## Description

Product Name	Recombinant Human MAPKAPK3
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 183-382 amino acids of human MAPKAPK3
Target Name	mitogen-activated protein kinase-activated protein kinase 3
Other Names	3PK; MK-3; MDPT3; MAPKAP3; MAPKAP-K3; MAPKAPK-3
Accession No.	Swissprot:Q16644Gene Accession:BC001662
Uniprot	Q16644
GeneID	7867;
Storage	-20~-80°C, pH 7.6 PBS

## Background

This gene encodes a member of the Ser/Thr protein kinase family. This kinase functions as a mitogen-activated protein kinase (MAP kinase)-activated protein kinase. MAP kinases are also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This kinase was shown to be 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 this kinase as an integrative element of signaling in both mitogen and stress responses. This kinase was reported to interact with, phosphorylate and repress the activity of E47, which is a basic helix-loop-helix transcription factor known to be involved in the regulation of tissue-specific gene expression and cell differentiation. Alternate splicing results in multiple transcript variants that encode the same protein.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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