

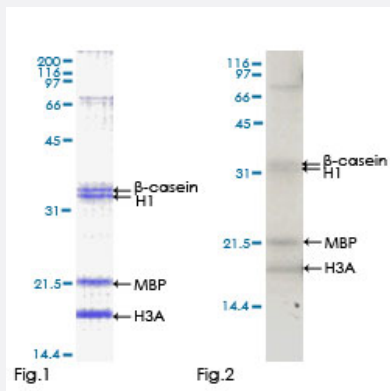
Full-Length

MAPKAPK3 (Human) Recombinant Protein (P01)

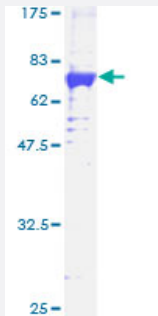
Catalog # H00007867-P01

Size 10 ug, 25 ug

Applications



Kinase Assay



Specification

Product Description

Human MAPKAPK3 full-length ORF (AAH01662, 1 a.a. - 382 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDGETAEEQGGPVPPPVAPGGPGLGGAPGGRREP KKYAVTDDYQLSKQVLGLGVNGKVLECF
HRRTGQKCAL KLLYDSPKARQEV DHHWQASGGPHVCILDVYENMHGKRCLLIIMECEGGELF
SRIQERGDQAFTEREAAEIMRDIGTAIQFLHSHNIAHRDV KPENLLYTSKEKDAVLKLTDFGFAKET
TQNALQTPCYTPYYVAPEVLGPEKYDKSCDMWSLGVIMYILLCGFPPFYSNTGQAISPGMKRRIRL
GQYGFPNPEWSEVSEDAKQLIRLLLLKTDPTERLTITQFMNHPWINQSMVVPQTPLHTARVLQEDK
DHWDEVKEEMTSALATMRVDYDQVKIKDLKTSNNRLLNKRRKKQAGSSSASQGCNNQ

Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	67.76
Interspecies Antigen Sequence	Mouse (94); Rat (93)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Kinase Assay
[Protocol Download](#)
- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MAPKAPK3

Entrez GeneID	7867
GeneBank Accession#	BC001662
Protein Accession#	AAH01662
Gene Name	MAPKAPK3
Gene Alias	3PK, MAPKAP3

Gene Description	mitogen-activated protein kinase-activated protein kinase 3
Omim ID	602130
Gene Ontology	Hyperlink
Gene Summary	<p>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. [provided by RefSeq]</p>
Other Designations	MAPKAP kinase 3

Pathway

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

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Schizophrenia](#)