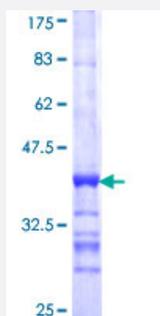


MAPKAPK2 (Human) Recombinant Protein (Q01)

Catalog # H00009261-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MAPKAPK2 partial ORF (NP_116584, 302 a.a. - 400 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	IRNLLKTEPTQRMTITEFMNHPWIMQSTKVPQTPLHTSRVLKEDKERWEDVKEEMTSALATMRVD YEQIKIKKIEDASNPLLLKRRKKARALEAAALAH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (92); Rat (92)
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

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MAPKAPK2

Entrez GeneID [9261](#)

GeneBank Accession# [NM_032960](#)

Protein Accession# [NP_116584](#)

Gene Name MAPKAPK2

Gene Alias MK2

Gene Description mitogen-activated protein kinase-activated protein kinase 2

Omim ID [602006](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations OTTHUMP00000034531|OTTHUMP00000034532

Pathway

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