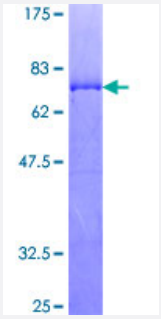
Full-Length

MAPKAPK2 (Human) Recombinant Protein (P01)

Catalog # H00009261-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MAPKAPK2 full-length ORF (NP_116584.2, 1 a.a. - 400 a.a.) recombinant protein with GST -tag at N-terminal.
Sequence	MLSNSQGQSPPVPFPAPAPPPQPPTPALPHPPAQPPPPPPQQFPQFHVKSGLQIKKNAIIDDYKV TSQVLGLGINGKVLQIFNKRTQEKFALKMLQDCPKARREVELHWRASQCPHIVRIVDVYENLYAGR KCLLIVMECLDGGELFSRIQDRGDQAFTEREASEIMKSIGEAIQYLHSINIAHRDVKPENLLYTSKRP NAILKLTDFGFAKETTSHNSLTTPCYTPYYVAPEVLGPEKYDKSCDMWSLGVIMYILLCGYPPFYSN HGLAISPGMKTRIRMGQYEFPNPEWSEVSEEVKMLIRNLLKTEPTQRMTITEFMNHPWIMQSTKVP QTPLHTSRVLKEDKERWEDVKEEMTSALATMRVDYEQIKIKKIEDASNPLLLKRRKKARALEAAAL AH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	72
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_032960.2
Protein Accession#	NP_116584.2
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 throug h direct phosphorylation by p38 MAP kinase. In conjunction with p38 MAP kinase, this kinase is k nown to be involved in many cellular processes including stress and inflammatory responses, nucl ear export, gene expression regulation and cell proliferation. Heat shock protein HSP27 was sho wn 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