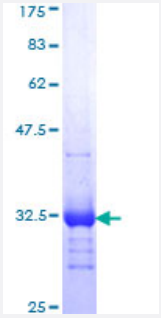
MAP2K4 (Human) Recombinant Protein (Q01)

Catalog # H00006416-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MAP2K4 partial ORF (AAH36032, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAAPSPSGGGGSGGGRGSGTPGPVGSPAPGHPAVSSMQGKRKALKLNFANPPFKSTARFTLN PNPTGVQNPHIERLRTHSIESSGKLKISPEQHWDFTAE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
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 — MAP2K4

Entrez GeneID	6416
GeneBank Accession#	BC036032
Protein Accession#	AAH36032
Gene Name	MAP2K4
Gene Alias	JNKK, JNKK1, MAPKK4, MEK4, MKK4, PRKMK4, SEK1, SERK1
Gene Description	mitogen-activated protein kinase kinase 4
Omim ID	601335
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a dual specificity protein kinase that belongs to the Ser/Thr protein kinase family. This kinase is a direct activator of MAP kinases in response to various environmental stresses or mitogenic stimuli. It has been shown to activate MAPK8/JNK1, MAPK9/JNK2, and MAPK14/p38, but not MAPK1/ERK2 or MAPK3/ERK3. This kinase is phosphorylated, and thus activated by MAP3K1/MEKK. The knockout studies in mice suggested the roles of this kinase in mediating survival signal in T cell development, as well as in the organogenesis of liver. [provided by RefSeq
Other Designations	JNK activating kinase 1|JNK-activated kinase 1|MAP kinase kinase 4|MAPK/ERK kinase 4|SAPK/ERK kinase 1|c-Jun N-terminal kinase kinase 1|dual specificity mitogen-activated protein kinase kinase 4

Pathway

- Epithelial cell signaling in Helicobacter pylori infection
- ErbB signaling pathway

- Fc epsilon RI signaling pathway
- GnRH signaling pathway
- MAPK signaling pathway
- Toll-like receptor signaling pathway

Disease

- Colorectal Neoplasms
- Genetic Predisposition to Disease
- Lung Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms