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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

MAP2K3 (Human) Recombinant Protein (P01)

Catalog Number: H00005606-P01

Regulation Status: For research use only (RUO)

Product Description: Human MAP2K3 full-length ORF (AAH32478, 1 a.a. - 347 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MESPASSQPASMPQSKGKSKRKKDLRISCMSKPPAP
NPTPPRNLDSTRFITIGDRNFEVEADDLVTISELGRGAY
GVVEKVRHAQSGTIMAVKRIRATVNSQEQKRLLMDLDI
NMRTVDCFYTVTFYGALFREGDVVICMELMDTSLDKF
YRKVLDKNMTIPEDILGEIAVSIVRALEHLHSLKLSVIHRD
VKPSNVLINKEGHVKMCDFGISGYLVDVAKTMDAGC
KPYMAPERINPELNQKGYNVKSDVWSLGITMIEMAILR
FPYESWGTPFQQLKQVVEEPPQLPADRFSPFVDFT
AQCLRKNPAERMSYLELMEHPFFTLHKTKKTDIAAFVK
EILGEDS

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 63.91

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 5606

Gene Symbol: MAP2K3

Gene Alias: MAPKK3, MEK3, MKK3, PRKMK3

Gene Summary: The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of Yersinia pseudotuberculosis. Multiple alternatively spliced transcript variants that encode distinct isoforms have been reported for this gene. [provided by RefSeq]