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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

MAP3K5 (Human) Recombinant Protein (Q01)

Catalog Number: H00004217-Q01

Regulation Status: For research use only (RUO)

Product Description: Human MAP3K5 partial ORF (AAH54503, 1231 a.a. - 1374 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

SHDSQSAHRSLSNVQLGRMKIETNRLLEELVRKEKELQ
ALLHRAIEEKDQEIKHLKLSQPIEIPVLFHLNSSGNT
TEDELTDWLRVNGAEDTISRFLAEDYTLDDVLYYVT
RDDLKCLRLRGGMLCTLWKAIDFRNKQT

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 41.58

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: 4217

Gene Symbol: MAP3K5

Gene Alias: ASK1, MAPKKK5, MEKK5

Gene Summary: Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or extracellular signal-regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase kinase

(MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its downstream protein kinase, MAPK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are highly conserved, and homologs exist in yeast, Drosophila, and mammalian cells. MAPKKK5 contains 1,374 amino acids with all 11 kinase subdomains. Northern blot analysis shows that MAPKKK5 transcript is abundantly expressed in human heart and pancreas. The MAPKKK5 protein phosphorylates and activates MKK4 (aliases SERK1, MAPKK4) in vitro, and activates c-Jun N-terminal kinase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 cells; MAPKKK5 does not activate MAPK/ERK. [provided by RefSeq]