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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

MAPK9 (Human) Recombinant Protein (P01)

Catalog Number: H00005601-P01

Regulation Status: For research use only (RUO)

Product Description: Human MAPK9 full-length ORF (AAH32539, 1 a.a. - 424 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MSDSKCD SQFY SVQVADSTFTVLKRYQQLKPIGSGAQ
GIVCAAFD TVLGINVAVKKLSRPFQNTAKRAYRELV
LLKCVNHKNIISLLNVFT PQKTLLEEFQDVYLV MELMDA
NLCQVIHME LDHERMSYLLYQMLCGIKHLHSAGIIHRD
LKPSNIVVKS DCTLKILDFGLARTACTNFMMPYV VTR
YYRAPEVILGMGYKENVDIWSVGCIMGELVKGCVIFQG
TDHIDQWNKVIEQLGTPSAEFMKKLQPTVRNYVENRP
KYPGIKFEELFPDWIFPSESERDKIKTSQARDLLSKMLV
IDPDKRISVDEALRHPYITVWYDPAEAEAPPPQIYDAQL
EEREHAIEEWKELIYKEVMDWEERSKNGVVKDQPSDA
AVSSNATPSQSSSINDISSMSTEQT LASD TDSSLDAST
GPLEGCR

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 72.27

Applications: AP, Array, ELISA, KA, 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: 5601

Gene Symbol: MAPK9

Gene Alias: JNK-55, JNK2, JNK2A, JNK2ALPHA, JNK2B, JNK2BETA, PRKM9, SAPK, p54a, p54aSAPK

Gene Summary: The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase targets specific transcription factors, and thus mediates immediate-early gene expression in response to various cell stimuli. It is most closely related to MAPK8, both of which are involved in UV radiation induced apoptosis, thought to be related to the cytochrome c-mediated cell death pathway. This gene and MAPK8 are also known as c-Jun N-terminal kinases. This kinase blocks the ubiquitination of tumor suppressor p53, and thus it increases the stability of p53 in nonstressed cells. Studies of this gene's mouse counterpart suggest a key role in T-cell differentiation. Several alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

References:

1. JNK1 Protects against Glucolipototoxicity-Mediated Beta-Cell Apoptosis. Prause M, Christensen DP, Billestrup N, Mandrup-Poulsen T PLoS One. 2014 Jan 24;9(1):e87067. doi: 10.1371/journal.pone.0087067. eCollection 2014.