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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

MAPK10 (Human) Recombinant Protein (P01)

Catalog Number: H00005602-P01

Regulation Status: For research use only (RUO)

Product Description: Human MAPK10 full-length ORF (AAH65516.1, 1 a.a. - 319 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MELMDANLCQVIQMELDHERMSYLLYQMLCGIKHLHS
AGIIHRDLKPSNIVVKSDCTLKILDFGLARTAGTSFMMT
PYVVTRYRRAPEVILGMGYKENVDIWSVGCIMGEMVR
HKILFPGRDYIDQWNKVIEQLGTPCPEFMKKLQPTVRN
YVENRPKYAGLTFPKLFPDSLFPADSEHNKLKASQAR
DLLSKMLVIDPAKRISVDDALQHPYINVWYDPAEVEAP
PPQIYDKQLDEREHTIEEWKELIYKEVMNSEKTKNGV
VKGQSPSPSGAAVNSSSELPPSSSVNDISSMSTDQTLA
SDTSSLEASAGPLGCCR

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 60.83

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: 5602

Gene Symbol: MAPK10

Gene Alias: FLJ12099, FLJ33785, JNK3, JNK3A,

MGC50974, PRKM10, p493F12, p54bSAPK

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 protein is a neuronal-specific form of c-Jun N-terminal kinases (JNKs). Through its phosphorylation and nuclear localization, this kinase plays regulatory roles in the signaling pathways during neuronal apoptosis. Beta-arrestin 2, a receptor-regulated MAP kinase scaffold protein, is found to interact with, and stimulate the phosphorylation of this kinase by MAP kinase kinase 4 (MKK4). Cyclin-dependent kinase 5 can phosphorylate, and inhibit the activity of this kinase, which may be important in preventing neuronal apoptosis. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

References:

1. JNK1 Protects against Glucolipotoxicity-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.