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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

MAPK1 (Human) Recombinant Protein (P01)

Catalog Number: H00005594-P01

Regulation Status: For research use only (RUO)

Product Description: Human MAPK1 full-length ORF (NP_620407.1, 1 a.a. - 360 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MAAAAAAGAGPEMVRGQVFDVGPRTNLSYIGEGAY
GMVCSAYDNVNKVRVAIKKISPFHQTYCQRTLREIKIL
LRFRHENIIGINDIIRAPTIEQMKDVIYVQDLMETDLYKLL
KTQHLSNDHICYFLYQILRGLKYIHSANVLRDLKPSNL
LLNTTCDLKCDFGLARVADPDHDHTGFLTEYVATRWY
RAPEIMLNSKGYTKSIDIWSVGCILAEMLSNRPIFPKGH
YLDQLNHILGILGSPSQEDLNCIINLKARNYLLSLPHKNK
VPWNRFLFPNADSKALDLLDKMLTFNPHKRIEVEQALA
HPYLEQYYDPSDEPIAEAPFKFDMELDDLPEKELKELIF
EETARFQPGYRS

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 67.8

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: 5594

Gene Symbol: MAPK1

Gene Alias: ERK, ERK2, ERT1, MAPK2, P42MAPK, PRKM1, PRKM2, p38, p40, p41, p41mapk

Gene Summary: The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), 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. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets. Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reported for this gene. [provided by RefSeq]

References:

1. Evoking picomolar binding in RNA by a single phosphorodithioate linkage. Abeydeera ND, Egli M, Cox N, Mercier K, Conde JN, Pallan PS, Mizurini DM, Sierant M, Hibti FE, Hassell T, Wang T, Liu FW, Liu HM, Martinez C, Sood AK, Lybrand TP, Frydman C, Monteiro RQ, Gomer RH, Nawrot B, Yang X. Nucleic Acids Res. 2016 Aug 26. [Epub ahead of print]