Recombinant Human MAPK9 protein, His/MBP-tagged

Cat. No. MAPK9-155H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAPK9(21-110 aa) fused with His/MBP tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	227-424 aa
Description	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.
Form	Liquid in PBS
Purity	SDS-PAGE >90%

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	WB Positive Control
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.
Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	MAPK9 mitogen-activated protein kinase 9 [Homo sapiens]
Official Symbol	MAPK9
Synonyms	MAPK9; mitogen-activated protein kinase 9; PRKM9; JNK2; Jun kinase; p54a; SAPK; MAPK 9; MAP kinase 9; c-Jun kinase 2; c-Jun N-terminal kinase 2; stress-activated protein kinase 1a; stress-activated protein kinase JNK2; JNK2A; JNK2B; JNK-55; SAPK1a; JNK2BETA; p54aSAPK; JNK2ALPHA;
Gene ID	5601
mRNA Refseq	NM_001135044
Protein Refseq	NP_001128516
MIM	602896
UniProt ID	P45984

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