

Recombinant Human MAPK8 protein, His/MBP-tagged

Cat. No. MAPK8-156H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAPK8(1-72 aa) fused with His/MBP tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-72 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 is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrom c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. Several alternatively spliced transcript variants encoding distinct isoforms have been reported.
Form	Liquid in PBS
Purity	SDS-PAGE >90%

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

GENE INFORMATION

Gene Name	MAPK8 mitogen-activated protein kinase 8 [Homo sapiens]
Official Symbol	MAPK8
Synonyms	MAPK8; mitogen-activated protein kinase 8; PRKM8; JNK; JNK1; JUN N terminal kinase; SAPK1; MAP kinase 8; JUN N-terminal kinase; c-Jun N-terminal kinase 1; stress-activated protein kinase 1; stress-activated protein kinase 1c; mitogen-activated protein kinase 8 isoform JNK1 beta2; mitogen-activated protein kinase 8 isoform JNK1 alpha1; JNK-46; JNK1A2; SAPK1c; JNK21B1/2;
Gene ID	5599
mRNA Refseq	NM_002750
Protein Refseq	NP_002741
MIM	601158
UniProt ID	P45983

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