

Recombinant Human Mitogen-Activated Protein Kinase 9, His-tagged

Cat. No. MAPK9-1349H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MAPK9 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-382aa
Description	MAPK9 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. MAPK9, when active as a dimer, can translocate to the nucleus and regulate transcription through its effects on c-Jun, ATF-2, and other transcription factors.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT.
Molecular Mass	46.6 kDa (406aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSDSKC DSQFYSVQVA DSTFTVLKRY QQLKPIGSGA QGIVCAAFDT VLGINVAVKK LSRPFQNQTH AKRAYRELV LKCVNHKNII SLLNVFTPQK TLEEFQDVYL VMELMDANLC QVIHMELDHE

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RMSYLLYQML CGIKHLHSAG IHRDLKPSN IVKSDCTLK ILDFGLARTA
 CTNFMMPYV VTRYRRAPEV ILGMGYKENV DIWSVGCIMG ELVKGCVIFQ
 GTDHIDQWNK VIEQLGTPSA EFMKKLQPTV RNYVENRPKY PGIKFEELFP
 DWIFPSESER DKIKTSQARD LLSKMLVIDP DKRISVDEAL RHPYITVWYD
 PAEAEAPPPQ IYDAQLEERE HAIEEWKELI YKEVMDWEER SKNGVVKDQP
 SAQMQQ

Purity >95% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by Bradford assay)

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](#)

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Protein Refseq	NP_001128516
MIM	602896
UniProt ID	P45984
Chromosome Location	5q35
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Activated TLR4 signalling, organism-specific biosystem; Activation of the AP-1 family of transcription factors, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; CD40/CD40L signaling, organism-specific biosystem; CDC42 signaling events, organism-specific biosystem;
Function	ATP binding; JUN kinase activity; MAP kinase activity; nucleotide binding; protein binding; protein serine/threonine kinase activity; transcription factor binding;

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