

Recombinant Human Mitogen-Activated Protein Kinase 9

Cat. No. MAPK9-1267H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAPK9 is full-length containing 424 amino acids that has been activated by MKK7/MEKK2.
Species	Human
Source	E.coli
Description	MAPK9 is an enzyme that in humans is encoded by the MAPK9 gene. 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.
Form	Liquid in 50 mM HEPES pH 7.5 + 100 mM NaCl + 5 mM DTT + 20% Glycerol.
Molecular Weight	49.6 kDa
Purity	Affinity chromatography
Specific Activity	956 pmol/μg x min
Concentration	Typically >0.5 mg/mL
Storage	Store at -80°C. Avoid repeated freeze-thaw cycles.

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OfficialSymbol	MAPK9
nullValue_other	Function ATP binding; JUN kinaseactivity; MAP kinase activity; nucleotide binding; protein binding; proteinserine/threonine kinase activity; transferase activity
GENE INFORMATION	
Gene Name	MAPK9mitogen-activated protein kinase 12 [Homosapiens]
Synonyms	MAPK9;mitogen-activated protein kinase 9; JNK2;SAPK; p54a; JNK2A; JNK2B; PRKM9; JNK-55; JNK2BETA; p54aSAPK; JNK2ALPHA; Junkinase; MAP kinase 9; c-Jun kinase 2; OTTHUMP00000161542; OTTHUMP00000161543;c-Jun N-terminal kinase 2; stress-activated protein kinase JNK2;mitogen-activated protein kinase 9 isoform JNK2 alpha2; EC 2.7.11.24;Mitogen-activated protein kinase 9; Stress-activated protein kinase JNK2; OTTHUMP00000224159;OTTHUMP00000224168; OTTHUMP00000224169; OTTHUMP00000224170
Gene ID	5601
mRNA Refseq	NM_001135044
Protein Refseq	NP_001128516
MIM	602896
UniProt ID	P45984
Chromosome Location	5q35
Pathway	Adipocytokine signalingpathway; Colorectal cancer; Epithelial cell signaling in

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Helicobacter pylori infection; ErbB signaling pathway; Fc epsilon RI signaling pathway; Focal adhesion; GnRH signaling pathway; Insulin signaling pathway; MAPK signaling pathway; Neurotrophin signaling pathway; Pancreatic cancer; Pathways in cancer; RIG-I-like receptor signaling pathway; T cell receptor signaling pathway; Toll-like receptor signaling pathway; Type II diabetes mellitus; Wnt signaling pathway

Rendering based
on PDB 3E7O.

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