

Recombinant Human Mitogen-Activated Protein Kinase 9

Cat. No. MAPK9-5488H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The Recombinant Human MAPK9 was purified by Ni-agarose chromatography. It is suitable for labeling MAPK9 kinase substrates.
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	> 95% by SDS-PAGE
Biological Activity	> 300 Units/mg. 1 Unit is defined as 1 picomole phosphate transferred to c-Jun1-169 N-His Tag per minute at 30°C.
Storage	Store at -80°C. 1 year. Avoid repeated freeze-thaw cycles.
Official Symbol	MAPK9

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nullValue_other

Function

ATP binding; JUN kinase activity; 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 Helicobacter pyloriinfection; ErbB signaling pathway; Fc epsilon RI signaling pathway; Focaladhesion; GnRH signaling pathway; Insulin signaling pathway; MAPK

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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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