Recombinant Human Mitogen-Activated Protein Kinase 9

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

SPECIFICATION

Product Overview	TheRecombinant Human MAPK9 was purified by Ni-agarose chromatography. It issuitable for labeling MAPK9 kinase substrates.
Species	Human
Source	E.coli
Description	MAPK9is an enzyme that in humans is encoded by the MAPK9 gene.The protein encodedby this gene is a member of the MAP kinase family. MAP kinases act as anintegration point for multiple biochemical signals, and are involved in awide variety of cellular processes such as proliferation, differentiation,transcription regulation and development.
Form	Liquid in50 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	> 300Units/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.
OfficialSymbol	MAPK9

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

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 Helicobacter pyloriinfection; ErbB signaling pathway; Fc epsilon RI signaling pathway; Focaladhesion; GnRH signaling pathway; Insulin signaling pathway; MAPK

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	signalingpathway; Neurotrophin signaling pathway; Pancreatic cancer; Pathways incancer; RIG-I-like receptor signaling pathway; T cell receptor signalingpathway; Toll-like receptor signaling pathway; Type II diabetes mellitus; Wntsignaling pathway
Rendering based onPDB 3E7O.	

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