Recombinant Human Mitogen-activated Protein Kinase 8

Cat. No. MAPK8-751H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Human Mitogen-activated Protein Kinase 8 Amino acidsM1-Q384, is expressed in*E.coli.*
Species	Human
Source	E.coli
Description	Mitogen-activated protein kinase 8 is an enzyme that in humans is encoded by the MAPK8 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.
Purification	Immobilized Metal Affinity Chromatography.
Product Identity	JNK1 was confirmed as JNK1 by mass spectroscopy LC-ESI-MS/MS.
MW	44,292 Da.
Storage Buffer	50 mM Tris-HCl, pH 7.5; 100 mM NaCl, 5 mM DTT, 20% glycerol.
Concentration	0.513 μg/μl.
Specific Activity	2514 pmol/μg×min.

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Storage	-80°C. Avoid repeated freeze-thaw cycles!

GENE INFORMATION

Gene Name	MAPK8 mitogen-activated protein kinase 8 [Homo sapiens]
Synonyms	MAPK8; mitogen-activated protein kinase 8; JNK-46; JNK1 alpha protein kinase; JNK1 beta protein kinase; JUN N-terminal kinase; MAP kinase 8; MAPK 8; OTTHUMP00000019552; c-Jun N-terminal kinase 1; mitogen-activated protein kinase 8 isoform JNK1 alpha1; mitogen-activated protein kinase 8 isoform JNK1 beta2; protein kinase JNK1; stress-activated protein kinase 1; stress-activated protein kinase JNK1; JNK; JNK1; PRKM8; SAPK1; JNK1A2; JNK21B1/2; EC 2.7.11.24
Gene ID	5599
mRNA Refseq	NM_002750
Protein Refseq	NP_002741
MIM	601158
UniProt ID	P45983
Chromosome Location	10q11.22
Pathway	Colorectal cancer; Epithelial cell signaling in Helicobacter pylori infection; ErbB signaling pathway; Focal adhesion; MAPK signaling pathway; NOD-like receptor signaling pathway; Pathways in cancer; Progesterone-mediated oocyte maturation; Type II diabetes mellitus; Wnt signaling pathway

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Function	ATP binding;JUN kinase activity; MAP kinase activity; kinase activity; protein serine/threonine kinase activity

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