Recombinant Human Mitogen-activated Protein Kinase 10

Cat. No. MAPK10-752H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Human Mitogen-activated Protein Kinase 10 Amino acidsM1-R428, is expressed in*E.coli.*
Species	Human
Source	E.coli
ProteinLength	1-428 a.a.
Description	JNK3 is a member of the c-Jun N-terminal kinases (JNKs) which are part of the mitogen-activated protein (MAP) kinase family, and regulate signal transduction in response to environmental stress. JNK3 phosphorylates various transcription factors such as ATF2, Elk-1 and members of the Jun family. Activation and nuclear localization of JNK3, a neuronal-specific isoform of JNK, has been associated with hypoxic and ischemic damage of CA1 neurons in the hippocampus.
Purification	Immobilized Metal Affinity Chromatography.
Product Identity	JNK3 was confirmed as JNK3 by mass spectroscopy LC-ESI-MS/MS.
MW	48,060 Da.
Storage Buffer	50 mM Tris-HCl, pH 7.5; 100 mM NaCl, 5 mM DTT, 20% glycerol.
Concentration	0.211 μg/μl.

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

Specific Activity	118 pmol/μg×min.
Storage	-80°C. Avoid repeated freeze-thaw cycles!

GENE INFORMATION

Gene Name	MAPK10 mitogen-activated protein kinase 10 [Homo sapiens]
Synonyms	MAPK10; mitogen-activated protein kinase 10; JNK3; JNK3A; PRKM10; p493F12; FLJ12099; FLJ33785; MGC50974; p54bSAPK; MAP kinase; OTTHUMP00000161180; OTTHUMP00000161183; JNK3 alpha protein kinase; c-Jun N-terminal kinase 3; stress activated protein kinase beta; EC 2.7.11.24; MAP kinase p49 3F12; OTTHUMP00000161182; c-Jun kinase 3
Gene ID	5602
mRNA Refseq	NM_002753
Protein Refseq	NP_002744
MIM	602897
UniProt ID	P53779
Chromosome Location	4q22.1-q23
Pathway	Adipocytokine signaling pathway; Colorectal cancer; ErbB signaling pathway; Fc epsilon RI signaling pathway; Focal adhesion; GnRH signaling pathway; Insulin signaling pathway; MAPK signaling pathway; NOD-like receptor signaling pathway; Neurotrophin signaling pathway; Pancreatic cancer; Pathways in cancer;

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

	Progesterone-mediated oocyte maturation; RIG-I-like receptor signaling pathway; Toll-like receptor signaling pathway; Type II diabetes mellitus; Wnt signaling pathway
Function	ATP binding; JUN kinase activity; MAP kinase activity; kinase activity; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity; transferase activity

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