Phospho-JNK1/2/3 (Thr183+tyr185) Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	JNK1/2/3, Blocking Peptide
Full Product Name	Phospho-JNK1/2/3 (Thr183+Tyr185) Blocking Peptide
Product Gene Name	JNK1/2/3 blocking peptide
Product Synonym Gene Name	MAPK8
Product Synonym Names	C Jun kinase 2; c Jun N terminal kinase 1; c Jun N terminal kinase 2; c Jun N terminal kinase 3; c-Jun N-terminal kinase 1; JNK 46; JNK 55; JNK; JNK-46; JNK1; JNK1A2; JNK2; JNK21B1/2; JNK2A; JNK2ALPHA; JNK2B; JNK2BETA; JNK3 alpha protein kinase; JNK3; JNK3A; Jun kinase; JUN N terminal kinase; MAP kinase 10; MAP kinase 8; MAP kinase 9; MAP kinase p49 3F12; MAPK 10; MAPK 8; MAPK 9; MAPK10; mapk8; MAPK9; Mitogen activated protein kinase 10; Mitogen activated protein kinase 8; Mitogen activated protein kinase 8 isoform JNK1 alpha1; Mitogen activated protein kinase 8 isoform JNK1 beta2; Mitogen activated protein kinase 9; Mitogen-activated protein kinase 8; MK08_HUMAN; p493F12; p54a; p54aSAPK; p54bSAPK; PRKM10; PRKM8; PRKM9; SAPK; SAPK(beta); SAPK1; SAPK1a; SAPK1b; SAPK1c; Stress activated protein kinase 1; Stress activated protein kinase 1a; Stress activated protein kinase 1b; Stress activated protein kinase 1c; Stress activated protein kinase beta; Stress activated protein kinase JNK1; Stress activated protein kinase JNK2; Stress activated protein kinase JNK3; Stress-activated protein kinase 1c; Stress-activated protein kinase JNK1; c Jun kinase 2; C Jun N terminal kinase 2; c-Jun N-terminal kinase 2; JNK 55; JNK-55; JNK2 alpha; JNK2; JNK2 beta; JNK2A; JNK2alpha; JNK2B; JNK2BETA; Jun kinase; MAP kinase 9; MAPK 9; Mapk9; Mitogen activated protein kinase 9; Mitogen-activated protein kinase 9; MK09_HUMAN; P54a; p54aSAPK; PRKM9; Protein kinase, mitogen-activated, 9; SAPK alpha; SAPK; SAPK1a; Stress activated protein kinase 1a; Stress-activated protein kinase JNK2; c Jun kinase 3; c-Jun N-terminal kinase 3; cJun N terminal kinase 3; FLJ12099; FLJ33785; JNK3 alpha protein kinase; JNK3; JNK3A; MAP kinase 10; MAP kinase; MAP kinase p49 3F12; MAPK 10; Mapk10; MGC50974; mitogen activated protein kinase 10; Mitogen-activated protein kinase 10; MK10_HUMAN; p493F12; p54bSAPK; PRKM10; protein kinase mitogen activated 10; SAPK1b; Stress activated protein kinase 1b; stress activated protein kinase beta; Stress activated protein kinase JNK3; Stress-activated protein kinase JNK3
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	JNK1/2/3 (Thr183+Tyr185) peptide (MBS9615670) is used for blocking the activity of JNK1/2/3 (Thr183+Tyr185) antibody (MBS9601087)
Molecular Weight	427
Chromosome Location	Chromosome: 10; NC_000010.10 (49514682..49647403). Location: 10q11.22
OMIM	601158
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for JNK1/2/3 blocking peptide	Blocking/Control

Related Product Information for JNK1/2/3 blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of JNK1/2/3 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for JNK1/2/3 purchase	MBS9615670 is a blocking peptide targeting JNK1/2/3. Also known as Phospho-JNK1/2/3 (Thr183+Tyr185) Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for JNK1/2/3. It may not necessarily be applicable to this product.

NCBI GI #	513788279
NCBI GeneID	5599
NCBI Accession #	NP_001265476.1
UniProt Primary Accession #	P45983
UniProt Secondary Accession #	Q15709; Q15712; Q15713; Q308M2; B5BTZ5; B7ZLV4; D3DX88; D3DX92
UniProt Related Accession #	P45983
GenBank Nucleotide #	NM_001278547.1
NCBI Official Full Name	mitogen-activated protein kinase 8 JNK1 beta2
NCBI Official Synonym Full Names	mitogen-activated protein kinase 8
NCBI Official Symbol	MAPK8
NCBI Official Synonym Symbols	JNK; JNK1; PRKM8; SAPK1; JNK-46; JNK1A2; SAPK1c; JNK21B1/2
UniProt Protein Name	Mitogen-activated protein kinase 8
UniProt Synonym Protein Names	JNK-46; Stress-activated protein kinase 1c; SAPK1c; Stress-activated protein kinase JNK1; c-Jun N-terminal kinase 1
UniProt Gene Name	MAPK8
UniProt Synonym Gene Names	JNK1; PRKM8; SAPK1; SAPK1C; MAP kinase 8; MAPK 8; SAPK1c
UniProt Entry Name	MK08_HUMAN
NCBI Protein Information	mitogen-activated protein kinase 8; MAP kinase 8; JUN N-terminal kinase; c-Jun N-terminal kinase 1; stress-activated protein kinase 1; stress-activated protein kinase 1c; mitogen-activated protein kinase 8 isoform JNK1 beta2; mitogen-activated protein kin

UniProt Comments for JNK1/2/3	JNK1: a protein kinase of the MAPK family that is potently activated by a variety of environmental stresses, including UV and gamma radiation, ceramides, pro-inflammatory cytokines and, in some instances, by growth factors and GPCR agonists. Substrates include a number of transcription factors, primarily components of AP-1 such as c-Jun and ATF2, thus regulating AP-1 transcriptional activity. In T- cells, JNK1 and JNK2 are required for polarized differentiation of T-helper cells into Th1 cells. Binds to at least four scaffolding proteins, JIP-1, -2, -3 and -4. Activity increased in obesity. Inhibition or mouse knockout increases insulin sensitivity. Part of NFB pathway involved in inflammation and cancer, and signals downstream of Ras, though possibly as an apoptotic negative regulator of growth. Four alternatively-spliced isoforms have been described. Protein type: Kinase, protein; EC 2.7.11.24; Protein kinase, CMGC; Protein kinase, Ser/Thr (non-receptor); CMGC group; MAPK family; MAPK/JNK subfamily; JNK subfamily Chromosomal Location of Human Ortholog: 10q11.22 Cellular Component: nucleoplasm; mitochondrion; cytosol; nucleus Molecular Function: protein serine/threonine kinase activity; protein binding; enzyme binding; histone deacetylase regulator activity; histone deacetylase binding; JUN kinase activity; ATP binding Biological Process: nerve growth factor receptor signaling pathway; apoptosis; positive regulation of apoptosis; rhythmic process; stress-activated MAPK cascade; toll-like receptor 3 signaling pathway; protein amino acid phosphorylation; toll-like receptor 10 signaling pathway; toll-like receptor 5 signaling pathway; regulation of protein localization; regulation of transcription factor activity; response to stress; JNK cascade; negative regulation of protein binding; toll-like receptor 4 signaling pathway; response to UV; ossification; regulation of histone deacetylation; MyD88-independent toll-like receptor signaling pathway; peptidyl-threonine phosphorylation; regulation of circadian rhythm; JUN phosphorylation; toll-like receptor 2 signaling pathway; MyD88-dependent toll-like receptor signaling pathway; peptidyl-serine phosphorylation; response to cadmium ion; toll-like receptor signaling pathway; innate immune response; toll-like receptor 9 signaling pathway; negative regulation of apoptosis
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/blocking-peptide/jnk1-2-3/9615670