

JNK2/SAPK1 recombinant protein

Recombinant Human JNK2/SAPK1

CATALOG #
AAA38390HOST
E Coli

PRODUCT SYNONYMS

JNK2/SAPK1; Recombinant Human JNK2/SAPK1; JNK2/SAPK1 Human; JNK2/SAPK1 Human Recombinant; Mitogen-activated protein kinase 9; EC 2.7.11.24; Stress-activated protein kinase JNK2; c-Jun N-terminal kinase 2; JNK-55; JNK2; JNK2A; JNK2B; PRKM9; JNK2BETA; p54aSAPK; JNK2ALPHA; MAPK9; SAPK1; JNK2/SAPK1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	JNK2/SAPK1 (1.3 mg/ml) is supplied in 50mM Tris-HCl, 100mM NaCl, 1mM DTT, 50% glycerol, pH 8. Sterile Filtered clear solution.
Sequence Length	242
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for JNK2/SAPK1 recombinant protein	Description: SAPK1/JNK2 Human Recombinant (stress-activated protein kinase/c-jun kinase) is a non-glycosylated polypeptide having a molecular mass of 49.5 kDa. SAPK1/JNK2 is purified by proprietary chromatographic techniques. Introduction: JUN N-terminal Kinase 2 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. This kinase targets specific transcription factors, and thus mediates immediate-early gene expression in response to various cell stimuli. It is most closely related to MAPK8, both of which are involved in UV radiation induced apoptosis, thought to be related to the cytochrome c-mediated cell death pathway. This gene and MAPK8 are also known as c-Jun N-terminal kinases. This kinase blocks the ubiquitination of tumor suppressor p53, and thus it increases the stability of p53 in nonstressed cells. Studies of this gene's mouse counterpart suggest a key role in T-cell differentiation. Four alternatively spliced transcript variants encoding distinct isoforms have been reported.
Product Categories/Family for JNK2/SAPK1 recombinant protein	Protein Kinases; Enzymes; Jun N-terminal Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	205277412
NCBI GeneID	5601
NCBI Accession #	NP_001128516.1
NCBI GenBank Nucleotide #	NM_001135044.1
UniProt Accession #	P45984; Q15708; Q15710; Q15711; Q8N5C5; A8K0S3; B5BU66; B5M0B4; D3DWQ8; D3DWQ9
Molecular Weight	27,334 Da

NCBI Official Full Name	mitogen-activated protein kinase 9 isoform JNK2 gamma
NCBI Official Synonym Full Names	mitogen-activated protein kinase 9
NCBI Official Symbol	MAPK9
NCBI Official Synonym Symbols	JNK2; SAPK; p54a; JNK2A; JNK2B; PRKM9; JNK-55; SAPK1a; JNK2BETA; p54aSAPK; JNK2ALPHA
NCBI Protein Information	mitogen-activated protein kinase 9; Jun kinase; MAP kinase 9; MAPK 9; c-Jun N-terminal kinase 2; c-Jun kinase 2; stress-activated protein kinase 1a; stress-activated protein kinase JNK2
UniProt Protein Name	Mitogen-activated protein kinase 9
UniProt Gene Name	MAPK9
UniProt Synonym Gene Names	JNK2; PRKM9; SAPK1A; MAP kinase 9; MAPK 9; SAPK1a
UniProt Entry Name	MK09_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mapk9-recombinant-protein-e-coli/38390>