

JNK2 recombinant protein

JNK2, Unactive recombinant protein

CATALOG # AAA72883	HOST E Coli	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

JNK2; Unactive recombinant protein; SAPK; MAPK9; JNK2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>90%
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Concentration	0.2mg/ml (varies by lot)
Sequence Length	3711
Applicable Applications for JNK2 recombinant protein	WB (Western Blot), Kinase Assay
Type	Recombinant Fusion Protein
Species	Rat
Tag Information	GST tag
Expression System	E.coli
Source Note	Recombinant full-length rat JNK2 expressed in E. coli cells
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

The purity was determined to be >90% by densitometry. Approx. MW~74 kDa

ADDITIONAL INFORMATION

Related Product Information for JNK2 recombinant protein	Recombinant full-length rat JNK2 was expressed in E. coli cells using an N-terminal GST tag. Scientific Background: JNK2 is a member of the MAP kinase group that is activated by dual phosphorylation at thr and tyr residues during exposure to stress such as UV irradiation and treatment of cells with TNF?. JNK2 binds to the c-Jun transactivation domain and phosphorylates it on Ser-63 and Ser-73 (1). JNK2 has been shown to play an important role in disease processes. JNK2 plays a role in ventricular hypertrophy and is thought to be involved in hypertensive cardiac disease (2).
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Product Categories/Family for JNK2 recombinant protein	Unactive Kinase; Signaling Proteins - Unactive Kinases
References	1. Sluss, H K. et al: Signal transduction by tumor necrosis factor mediated by JNK protein kinases. Mol Cell Biol. 1994 Dec;14(12):8376-84. 2. Vogel, V. et al: Cardiac hypertrophy in the Prague-hypertensive rat is associated with enhanced JNK2 but not ERK tissue activity. Kidney Blood Press Res. 2001;24(1):52-6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	395759200
NCBI GeneID	50658
NCBI Accession #	NP_059018.1
NCBI GenBank Nucleotide #	NM_017322
UniProt Accession #	P49186
Molecular Weight	~74 kDa
NCBI Official Full Name	Rattus norvegicus mitogen-activated protein kinase 9 (Mapk9), transcript variant 1, mRNA
NCBI Official Synonym Full Names	mitogen-activated protein kinase 9
NCBI Official Symbol	Mapk9
NCBI Official Synonym Symbols	SAPK
NCBI Protein Information	mitogen-activated protein kinase 9; MAPK 9; p54-alpha; SAPK-alpha; MAP kinase 9; c-Jun N-terminal kinase 2; stress-activated protein kinase JNK2; stress activated protein kinase alpha II
UniProt Protein Name	Mitogen-activated protein kinase 9
UniProt Gene Name	Mapk9
UniProt Synonym Gene Names	Jnk2; Prkm9; MAP kinase 9; MAPK 9
UniProt Entry Name	MK09_RAT

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mapk9-recombinant-protein-e-coli-wb-western-blot-kinase-assay/72883>