

JNK1 recombinant protein

JNK1, Active

CATALOG # AAA73019	HOST Sf9 insect cells using baculovirus	APPLICATIONS Western Blot
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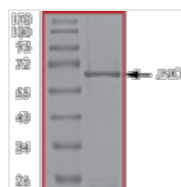
PRODUCT SYNONYMS

JNK1; Active; JNK1 recombinant protein

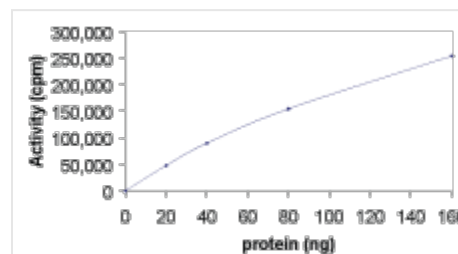
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Sequence Positions	Full Length
Sequence Length	5770
Applicable Applications for JNK1 recombinant protein	WB (Western Blot), Kinase Assay
Species	Mouse
Tag	GST tag
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



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for JNK1 recombinant protein

Description: Recombinant full-length mouse JNK1 was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag.

Scientific Background: JNK1 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. JNK1 binds to the c-Jun transactivation domain and phosphorylates it on Ser-63 and Ser-73 (1). JNK1 has been shown to play an important role in disease processes. Activation of JNK1 results in defects in myotube viability and integrity leading to dystrophic myofiber destruction (2). JNK1 activity is also abnormally elevated in obesity and removal of JNK1 results in decreased adiposity and significantly improved insulin sensitivity.

Product Categories/Family for JNK1 recombinant protein	Enzymes ; Active Kinases
References	1. Derijard, B. et al: JNK1: a protein kinase stimulated by UV light and Ha-Ras that binds and phosphorylates the c-Jun activation domain. Cell. 1994 Mar 25;76 (6):1025-37. 2. Kolodziejczyk, S M. et al: Activation of JNK1 contributes to dystrophic muscle pathogenesis. Curr Biol. 2001 Aug 21;11 (16):1278-82. 3. Liu. B, et al. ABL-N-induced apoptosis in human breast cancer cells is partially mediated by c-Jun NH2-terminal kinase activation. Breast Cancer Res. 2010, 12 (1):R9

NCBI AND UNIPROT INFORMATION

NCBI GI #	225637490
NCBI GeneID	26419
NCBI Accession #	NM_016700.4
NCBI GenBank Nucleotide #	NM_016700
UniProt Accession #	Q91Y86
Molecular Weight	~71 kDa
NCBI Official Full Name	Mus musculus mitogen-activated protein kinase 8 (Mapk8), transcript variant 1, mRNA
NCBI Official Synonym Full Names	mitogen-activated protein kinase 8
NCBI Official Symbol	Mapk8
NCBI Official Synonym Symbols	JNK; JNK1; Prkm8; SAPK1; AI849689
NCBI Protein Information	mitogen-activated protein kinase 8
UniProt Protein Name	Mitogen-activated protein kinase 8
UniProt Gene Name	Mapk8
UniProt Synonym Gene Names	Jnk1; Prkm8; MAP kinase 8; MAPK 8

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/mapk8-recombinant-protein-sf9-insect-cells-using-baculovirus-wb-western-blot-kinase-assay/73019>