

JNK1, Active recombinant protein
JNK, mitogen-activated protein kinase 8
Catalog # PBV11332r**Specification**

JNK1, Active recombinant protein - Product info

Primary Accession	P45983
Concentration	0.1
Calculated MW	71.0 kDa KDa

JNK1, Active recombinant protein - Additional Info

Gene ID	5599
Gene Symbol	JNK1

Other Names

JNK, mitogen-activated protein kinase 8, MAP kinase p49 3F12, Stress-activated protein kinase 1b, Stress-activated protein kinase JNK3, c-Jun N-terminal kinase 3

Source	Baculovirus (Sf9 insect cells)
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	HPLC;
Recombinant	Yes
Format	
Liquid	

Storage

-80°C; Recombinant proteins in storage buffer (50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.25 mM DTT, 0.1 mM EGTA, 0.1 mM EDTA, 0.1 mM PMSF, 25% glycerol).

JNK1, Active recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

JNK1, Active recombinant protein - Images**JNK1, Active recombinant protein - 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.