Active Recombinant Human MAP2K7 Protein, GST tagged

Cat. No. MAP2K7-3775HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human JNK2, catalytic domain [1-364 amino acids of accession number NP_002743.3] was expressed as N-terminal GST-fusion protein (69 kDa) using E. coli expression system. GST-JNK2 was purified by using glutathione sepharose chromatography and activated with His-tagged MAP2K4 and MAP2K7. Activated GST-JNK2 was purified using Ni-NTA chromatography.
Species	Human
Source	E.coli
ProteinLength	1-364 aa
Description	The protein encoded by this gene 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. Several alternatively spliced transcript variants encoding distinct isoforms have been reported.

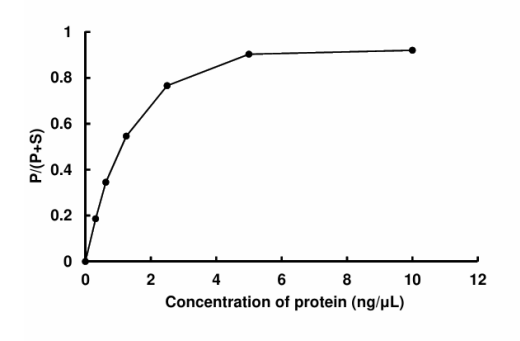
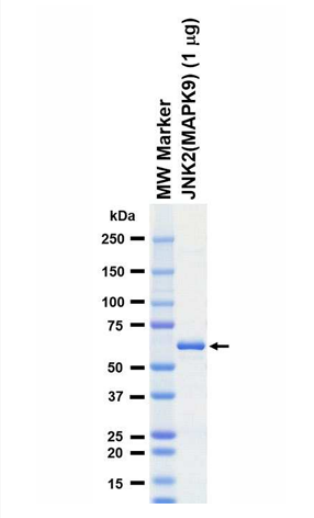
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Purity	98%. The purity was assessed by SDS-PAGE/CBB staining.
Storage	Store at -80 centigrade. Avoid repeating freeze-thaws
Storage Buffer	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5.

GENE INFORMATION

Gene Name	MAPK9 mitogen-activated protein kinase 9 [Homo sapiens (human)]
Official Symbol	MAPK9
Synonyms	MAPK9; mitogen-activated protein kinase 9; JNK2; SAPK; p54a; JNK2A; JNK2B; PRKM9; JNK-55; SAPK1a; JNK2BETA; p54aSAPK; JNK2ALPHA; 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; EC 2.7.11.24
Gene ID	5601
mRNA Refseq	NM_139070
Protein Refseq	NP_620709
MIM	602896
UniProt ID	P45984

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Activity	
SDS-PAGE	

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