

Recombinant Rat Mapk8 protein, His & T7-tagged

Cat. No. Mapk8-1551R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Mapk8 aa. (Gly138~Gly370 (Accession # P49185)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Gly138~Gly370
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 is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrom c-mediated cell death pathway.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.4kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method).

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Purity	>95%
Characteristic	The isoelectric point is 6.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Mapk8 mitogen-activated protein kinase 8 [Rattus norvegicus (Norway rat)]
Official Symbol	Mapk8
Synonyms	JNK; MAP kinase 8; MAPK 8; SAPK gamma; c-Jun N-terminal kinase 1; c-jun NH2-terminal kinase; p54 gamma; stress-activated protein kinase JNK1; mitogen-activated protein kinase 8
Gene ID	116554
mRNA Refseq	NM_053829.2

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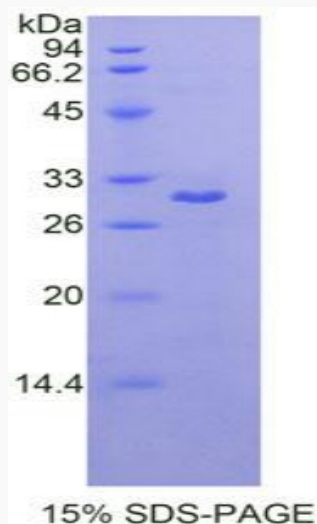
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Protein Refseq NP_446281.2

UniProt ID P49185

SDS-PAGE



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