



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Datasheet

### MAPK8 (Human) Recombinant Protein (P01)

**Catalog Number:** H00005599-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human MAPK8 full-length ORF ( NP\_620637.1, 1 a.a. - 427 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MSRSKRDNFYSVEIGDSTFTVLKRYQNLKPIGSGAQ  
GIVCAAYDAILERNVAIKKLSRPFQNTAKRAYRELVL  
MKCVNHKNIIGLLNVFTPQKSLLEEFQDVYVIMELMDAN  
LCQVIQMELDHERMSYLLYQMLCGIKHLHSAGIIHRDL  
KPSNIVVKS DCTLKILDFGLARTAGTSFMMTPYVVTRY  
YRAPEVILGMGYKENVDLWSVGCIMGEMVCHKILFPG  
RDYIDQWNKVIEQLGTPCEPFMKKLQPTVRTYVENRP  
KYAGYSFEKLFDPVLPADSEHNKLGASQARDLLSKM  
LVIDASKRISVDEALQHPYINWYDPSEAEAPPPKIPDK  
QLDEREHTIEEWKELIYKEVMDLEERTKNGVIRGQSP  
LGAAVINGSQHPSSSSSSVNDVSSMSTDPTLASDTS  
LEAAAGPLGCCR

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 74.7

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 5599

**Gene Symbol:** MAPK8

**Gene Alias:** JNK, JNK1, JNK1A2, JNK21B1/2, PRKM8, SAPK1

**Gene Summary:** 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. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

**References:**

1. JNK1 Protects against Glucolipotoxicity-Mediated Beta-Cell Apoptosis. Prause M, Christensen DP, Billestrup N, Mandrup-Poulsen T PLoS One. 2014 Jan 24;9(1):e87067. doi: 10.1371/journal.pone.0087067. eCollection 2014.