



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### MAPK7 (Human) Recombinant Protein (Q01)

**Catalog Number:** H00005598-Q01

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

**Product Description:** Human MAPK7 partial ORF (AAH07404, 561 a.a. - 677 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

PQSSMSESPDVNLVTQQLSKSQVEDPLPPVFSGTPKG  
SGAGYGVGFDLEEFNLQSFDMGVADGPQDGGQADSA  
SLSASLLADWLEGHGMNPADIESLQREIQMDSPMLLA  
DLPDLQDP

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

**Theoretical MW (kDa):** 38.50

**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:** 5598

**Gene Symbol:** MAPK7

**Gene Alias:** BMK1, ERK4, ERK5, PRKM7

**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 specifically activated by mitogen-activated protein kinase kinase 5 (MAP2K5/MEK5). It is involved in the downstream signaling processes of various receptor molecules including receptor type kinases, and G protein-coupled receptors. In response to extracellular signals, this kinase translocates to cell nucleus, where it regulates gene expression by phosphorylating, and activating different transcription factors. Four alternatively spliced transcript variants of this gene encoding two distinct isoforms have been reported. [provided by RefSeq]