



# 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

### MAP2K2 (Human) Recombinant Protein (Q02)

**Catalog Number:** H00005605-Q02

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

**Product Description:** Human MAP2K2 partial ORF (AAH00471, 1 a.a. - 360 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MLARRKPVLPALTINPTIAEGPSPTSEGASEANLVDLQ  
KKLEELDEQKKRLEAFLTQKAKVGELKDDDFERIS  
ELGAGNGGVTKVQHRPSGLIMARKLIHLEIKPAIRNQII  
RELQVLHECNSPYIVGFYGAFYSDGEISICMEHMDGG  
SLDQVLKEAKRIPEEILGKVSIAVLRGLAYLREKHQIMH  
RDVKPSNILVNSRGEIKLDFGVSGQLIDSMANSFVGT  
RSYMAPERLQGTHYSVQSDIWSMGLSLVELAVGRYPI  
PPPDAKELEAIFGRPVVDGEEGEPHSISPRPRPPGRP  
VSGHGMDSRPAMAIFELLDYIVNEPPPPLNGVFTPDF  
QEFVNKCLIKNPAERADL

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

**Theoretical MW (kDa):** 65.23

**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:** 5605

**Gene Symbol:** MAP2K2

**Gene Alias:** FLJ26075, MAPKK2, MEK2, MKK2, PRKMK2

**Gene Summary:** The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is known to play a critical role in mitogen growth factor signal transduction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinase kinases. Mutations in this gene cause cardiofaciocutaneous syndrome (CFC syndrome), a disease characterized by heart defects, mental retardation, and distinctive facial features similar to those found in Noonan syndrome. The inhibition or degradation of this kinase is also found to be involved in the pathogenesis of Yersinia and anthrax. A pseudogene, which is located on chromosome 7, has been identified for this gene. [provided by RefSeq]