



# 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

### MAP4 (Human) Recombinant Protein (P01)

**Catalog Number:** H00004134-P01

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

**Product Description:** Human MAP4 full-length ORF ( NP\_112147.2, 1 a.a. - 99 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MADLSLADALTEPSPDIEGEIKRDFIATLEAEAFDDVVG  
ETVGKTDYIPLLDVDEKTGNSESKKKPCSETS QIEDTP  
SSKPTLLANGGHGVEGSDTTEA

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

**Theoretical MW (kDa):** 36.8

**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:** 4134

**Gene Symbol:** MAP4

**Gene Alias:** DKFZp779A1753, MGC8617

**Gene Summary:** The protein encoded by this gene is a major non-neuronal microtubule-associated protein. This protein contains a domain similar to the microtubule-binding domains of neuronal microtubule-associated protein (MAP2) and

microtubule-associated protein tau (MAPT/TAU). This protein promotes microtubule assembly, and has been shown to counteract destabilization of interphase microtubule catastrophe promotion. Cyclin B was found to interact with this protein, which targets cell division cycle 2 (CDC2) kinase to microtubules. The phosphorylation of this protein affects microtubule properties and cell cycle progression. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]