



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### 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

### MCM7 (Human) Recombinant Protein (P01)

**Catalog Number:** H00004176-P01

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

**Product Description:** Human MCM7 full-length ORF (AAH09398, 1 a.a. - 389 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MALKDYALEKEKVKKFLQEFYQDDELGKKQFKYGNQL  
VRLAHREQVALYVDLDDVAEDDPELVDSICENARRYA  
KLFADAVQELLPQYKEREVVNKDVLVDVYIEHRLMMEQ  
RSRDPGMVRSPQNQYPAELMRRFELYFQGSSSKPR  
VIREVRADSVGKLVTVRGIVTRVSEVKPKMVVATYTC  
CCGAETYQPIQSPTFMPLIMCPSQECQTNRSGGRLYL  
QTRGSRFIKFQEMKMQEHSDQVPVGNIPRSITVLVEG  
ENTRIAQPGDHVSVTGIFLPILRTGFRQVVQGLLSETYL  
EAHRIVKMNKSEDDSEGAGELTREELRQIADVIFATVR  
ELVSGGRSVRFSEAEQRCVSRGFTPAQFQAALDEYE  
ELNVWQVNASRTRITFV

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

**Theoretical MW (kDa):** 68.53

**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:** 4176

**Gene Symbol:** MCM7

**Gene Alias:** CDABP0042, CDC47, MCM2, P1.1-MCM3, P1CDC47, P85MCM, PNAS-146

**Gene Summary:** The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by the MCM proteins is a key component of the pre-replication complex (pre-RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. The MCM complex consisting of this protein and MCM2, 4 and 6 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. Cyclin D1-dependent kinase, CDK4, is found to associate with this protein, and may regulate the binding of this protein with the tumorsuppressor protein RB1/RB. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

**References:**

1. The selection and characterization of antibodies to minichromosome maintenance proteins that highlight cervical dysplasia. Henderson D, Hall L, Prpic N, Hessling J, Parker M, Sampson S, Simkins S, Brough G, Dixon E, Lenz K, Knapp S, Murphy P, Taylor A, Fischer T, Malinowski DP. J Immunol Methods. 2011 May 12. [Epub ahead of print]