



# 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

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## MCM7 monoclonal antibody (M03), clone 1G1

Catalog # : H00004176-M03

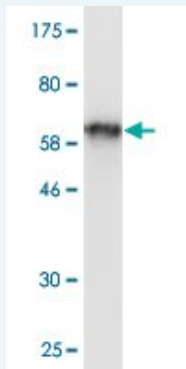
規格 : [ 100 ug ]

[List All](#)

### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a full-length recombinant MCM7.
<b>Immunogen:</b>	MCM7 (AAH09398, 1 a.a. ~ 389 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence:</b>	MALKDYALEKEKVKKFLQEFYQDDELGKKQFKYGNQLVRLAHREQVAL YVDLDDVAEDDPELVDSICENARRYAKLFADAVQELLPQYKEREVVKND VLDVYIEHRLMMEQRSDPGMVRSPQNQYPAELMRRFELYFQGPSSSK PRVIREVRADSVGKLVTVRGIVTRVSEVKPKMMVATYTCDCGAETYQPI QSPTFMPLIMCPSQECQTNRSGGRLYLQTRGSRFIKFQEMKMQEHSQ VPVGNIPRSITVLVEGENTRIAQPGDHVSVTGIFLPILRTGFRQVWQGLLS ETYLEAHRIVKMNKSEDDDESGAGELTREELRQIADVIFATVRELVSGGRS VRFSEAEQRCVSRGFTPAQFQAALDEYEELNWWQVNASRTRITFV
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	IgG2a Kappa

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (68.53 KDa) .

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**MSDS:** [Download](#)

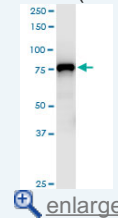
**Datasheet:** [Download](#)

### Applications

**Western Blot (Cell lysate)**

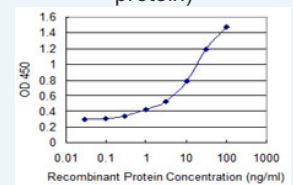
### Application Image

Western Blot (Cell lysate)

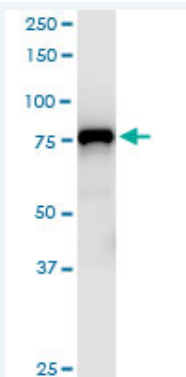


Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)



ELISA



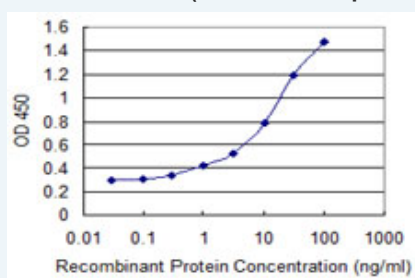
MCM7 monoclonal antibody (M03), clone 1G1. Western Blot analysis of MCM7 expression in HeLa S3 NE(Cat # L013V3 ).

[Protocol Download](#)

#### Western Blot (Recombinant protein)

[Protocol Download](#)

#### Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged MCM7 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

#### ELISA

#### Gene Information

Entrez GeneID: [4176](#)

GeneBank [BC009398](#)

Accession#:

Protein [AAH09398](#)

Accession#:

Gene Name: MCM7

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

Gene Description: minichromosome maintenance complex component 7

Omim ID: [600592](#)

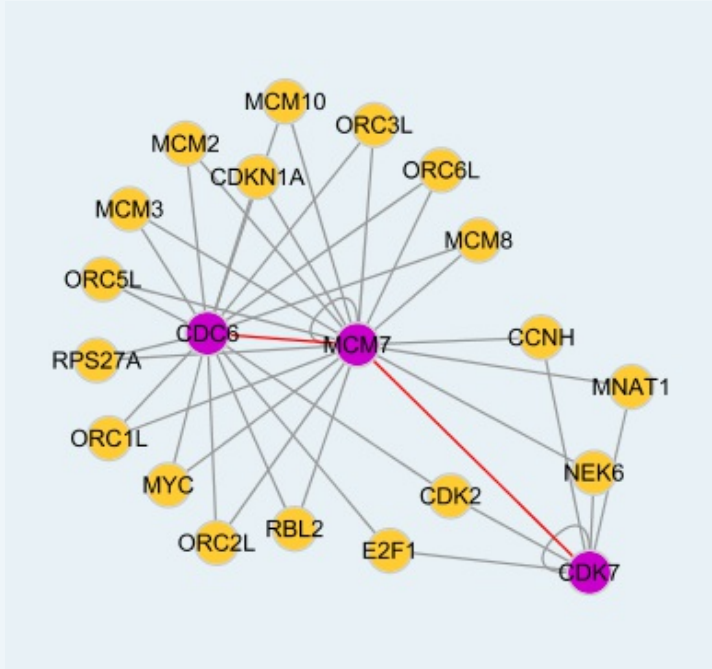
Gene Ontology: [Hyperlink](#)

**Gene Summary:** The protein encoded by this gene is one of the highly conserved minichromosome 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 tumoursuppressor protein RB1/RB. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq

**Other Designations:** DNA replication licensing factor MCM7, MCM7 minichromosome maintenance deficient 7, homolog of *S. cerevisiae* Cdc47, minichromosome maintenance deficient 7

### Interactome



### Gene Pathway

Cell cycle [DNA replication](#)

### Related Disease

[Autistic Disorder](#) [Genetic Predisposition to Disease](#)

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