



# 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

### MBD4 (Human) Recombinant Protein (P02)

**Catalog Number:** H00008930-P02

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

**Product Description:** Human MBD4 full-length ORF (ADZ15439.1, 1 a.a. - 574 a.a.) recombinant protein with GST tag at N-terminal.

**Sequence:**

MGTTGLESLSLGDRGAAPTVTSSERLVPDPPNDLRKE  
DVAMELERVGEDEEQMMIKRSSECNPLLQEPIASAQF  
GATAGTECRKSVPCGWERVVKQRLFAGTAGRFDVYFI  
SPQGLKFRSKSSLANYLHKNGETSLKPEDFDFTVLSK  
RGIKSRYKDCSMAALTSHLQNSNSNWNLRTRSKC  
KKDVFMPSSSELQESRGLSNFTSTHLLKKEDEGVD  
DVFNRKVRKPKGKVTILKGIPIKTKKGCRCSCSGFVQ  
SDSKRESVCNKADAESVPAQKSQLDRTVCISDAGAC  
GETLSVTSEENSLVKKKERSLSSGSNFCSEQKTSGIIN  
KFCSAKDSEHNEKYEDTFLESEEIGTKVEVVERKEHLH  
TDILKRGSEMDNNCSPTRKDFTEDTIPRTQIERRKTSL  
YFSSKYNKEALSPRRKAFKKTWPPRSPFNLVQETLF  
HDPWKLLIATIFLNRTSGKMAIPVLWKFLKYPSAEVAR  
TADWRDVSELLKPLGLYDLRAKTIVKFSDEYLTKQWKY  
PIELHGIGKYGNDSYRIFCVNEWKQVHPEDHKLNKYH  
DWLWENHEKLSLS

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

**Theoretical MW (kDa):** 89.6

**Interspecies Antigen Sequence:** Mouse (65); Rat (65)

**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:** 8930

**Gene Symbol:** MBD4

**Gene Alias:** MED1

**Gene Summary:** DNA methylation is the major modification of eukaryotic genomes and plays an essential role in mammalian development. Human proteins MECP2, MBD1, MBD2, MBD3, and MBD4 comprise a family of nuclear proteins related by the presence in each of a methyl-CpG binding domain (MBD). Each of these proteins, with the exception of MBD3, is capable of binding specifically to methylated DNA. MBD4 may function to mediate the biological consequences of the methylation signal. In addition, MBD4 has protein sequence similarity to bacterial DNA repair enzymes and thus may have some function in DNA repair. Further, MBD4 gene mutations are detected in tumors with primary microsatellite-instability (MSI), a form of genomic instability associated with defective DNA mismatch repair, and MBD4 gene meets 4 of 5 criteria of a bona fide MIS target gene. [provided by RefSeq]