

Datasheet for ABIN7549356  
**MBD4 Protein (AA 1-580) (His tag)**



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## Overview

Quantity:	1 mg
Target:	MBD4
Protein Characteristics:	AA 1-580
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MBD4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat MBD4 Protein expressed in mammalien cells.
Sequence:	MGTTGLESLS LGDRGAAPT V TSSERLVPDP PNDLRKEDVA MELERVGED E EQMMIKRSSE CNPLLQEPIA SAQFGATAGT ECRKSVPCGW ERVVKQRLFG KTAGRFDVYF ISPQGLKFRS KSSLANYLHK NGETSLKPED FDFTVLSKRG IKSRYKDCSM AALTSHLQNK SNNSNWNLRT RSKCKKDVFM PPSSSELQE SRGLSNFTST HLLLKEDEGV DDVNFRKVRK PKGKVTILKG IPIKTKKGC RKSCSGFVQS DSKRESVCNK ADAESEPVAQ KSQLDRTVCI SDAGACGETL SVTSEENSLV KKKERSLSSG SNFCSEQKTS GIINKFCSAK DSEHNEKYED TFLESEEIGT KVEEVERKEH LHTDILKRG EMDNNCSPTR KDFTGEKIFQ EDTIPRTQIE RRTKSLYFSS KYNKEALSPP RRKAFKKWTP PRSPFNLVQE TLFHDPWKLL IATIFLNRTS GKMAIPVLWK FLEKYPSEV ARTADWRDVS ELLKPLGLYD LRAKTIVKFS DEYLTQWKY PIELHGIGKY GNDSYRIFCV NEWKQVHPED HKLNKYHDWL WENHEKLSLS <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different</b>

**complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

### Grade:

custom-made

## Target Details

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### Target:

MBD4

### Alternative Name:

MBD4 ([MBD4 Products](#))

### Background:

Methyl-CpG-binding domain protein 4 (EC 3.2.2.-) (Methyl-CpG-binding endonuclease 1) (Methyl-CpG-binding protein MBD4) (Mismatch-specific DNA N-glycosylase),FUNCTION: Mismatch-specific DNA N-glycosylase involved in DNA repair. Has thymine glycosylase activity and is specific for G:T mismatches within methylated and unmethylated CpG sites. Can also remove uracil or 5-fluorouracil in G:U mismatches. Has no lyase activity. Was first identified as methyl-CpG-binding protein. {ECO:0000269|PubMed:10097147, ECO:0000269|PubMed:10930409}.

### Molecular Weight:

66.1 kDa

### UniProt:

[O95243](#)

### Pathways:

[DNA Damage Repair](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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