

Recombinant Human MBD1 protein ab152512

画像数 1

製品の詳細

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| 製品名 | Recombinant Human MBD1 protein |
| 発現系 | Wheat germ |
| アクセッション番号 | <u>Q9UIS9</u> |
| タンパク質長 | Full length protein |
| Animal free | No |
| 由来 | Recombinant |
| 生物種 | Human |
| 配列 | MAEDWLDCPALGPGWKRREVFRKSGATCGRSDTYYSPTGDR IRSKVELT RYLGACDLTLFDFKQGILCYPAKHPVAVASKRKKPSRP AKTRKRQV GPQSGEVRKEAPRDETKADTDAPASFPAPGCCENCGISFSG DGTQRQRL KTLCKDCRAQRIAFNREQRMFKRVGCGECAACQVTEDCGACS TCLLQLPH DVASGLFCKCERRRCLRIVERSRGCGVCRGCQTQEDCGHCPI CLRPPRPG LRRQWKCVQRRCLRGKHARRKGGCDKMAARRRPGAQPLPPP PPSQSPEP TEPHPRALAPSPPAEFIYYCVDEDELQPYTNRRQNRKCGACA ACLRRMDC GRCDFCCDKPKFGGSNQKRQKCRWRQCLQFAMKRLPSVWSE SEDGAGSP PPYRRRKRPSSARRHHLGPTLKPTLATRTAQPDHTQAPTKQE AGGGFVLP PPGTDLVFLREGASSPVQVPGPVAASTEALLQEAQCSGLSWV VALPQVKQ EKADTQDEWTPGTAVLTSPVLVPGCPSKAVDPGLPSVKQEPP DPEEDKEE NKDDSASKLAPEEEEAGGAGTPVITEIFSLGGTRFRDTAVWLP RSKDLKKP GARKQ |
| 予測される分子量 | 93 kDa including tags |
| 領域 | 1 to 605 |
| タグ | GST tag N-Terminus |

特性

Our **Abpromise guarantee** covers the use of **ab152512** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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| アプリケーション | ELISA |
| | SDS-PAGE |
| | Western blot |
| 製品の状態 | Liquid |

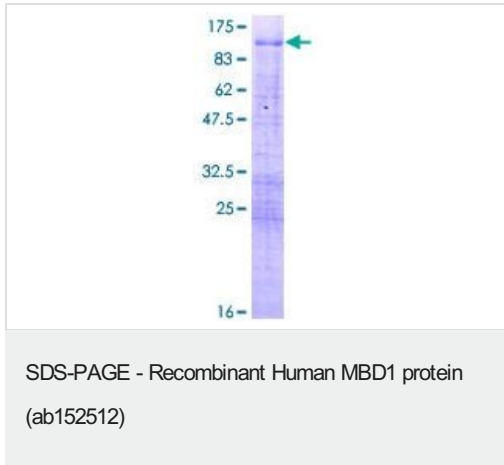
前処理および保存

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| 保存方法および安定性 | Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. |
| | pH: 8.00 |
| | Constituents: 0.31% Glutathione, 0.79% Tris HCl |

関連情報

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| 機能 | Transcriptional repressor that binds CpG islands in promoters where the DNA is methylated at position 5 of cytosine within CpG dinucleotides. Binding is abolished by the presence of 7-mG that is produced by DNA damage by methylmethanesulfonate (MMS). Acts as transcriptional repressor and plays a role in gene silencing by recruiting AFT7IP, which in turn recruits factors such as the histone methyltransferase SETDB1. Probably forms a complex with SETDB1 and ATF7IP that represses transcription and couples DNA methylation and histone 'Lys-9' trimethylation. Isoform 1 and isoform 2 can also repress transcription from unmethylated promoters. |
| 組織特異性 | Widely expressed. |
| 配列類似性 | Contains 3 CXXC-type zinc fingers. Contains 1 MBD (methyl-CpG-binding) domain. |
| ドメイン | The methyl-CpG-binding domain (MBD) functions both in binding to methylated DNA and in protein interactions. The third CXXC-type zinc finger mediates binding to non-methylated CpG dinucleotides. The transcriptional repression domain (TRD) is involved in transcription repression and in protein interactions. |
| 翻訳後修飾 | Sumoylated with SUMO1 by PIAS1 and PIAS3. Sumoylation affects transcriptional silencing by preventing the interaction with SETDB1. In contrast, sumoylation may increase interaction with AFT7IP. Phosphorylated upon DNA damage, probably by ATM or ATR. |
| 細胞内局在 | Nucleus speckle. Chromosome. Nuclear, in a punctate pattern. Associated with euchromatic regions of the chromosomes, with pericentromeric regions on chromosome 1 and with telomeric regions from several chromosomes. |

画像



12.5% SDS-PAGE analysis of ab152512 stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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