

Recombinant Human MBD4 Protein, His-tagged

Cat. No. MBD4-333H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Full length Recombinant Human MBD4 (Methyl-CpG Binding Domain Protein 4) Protein is produced in SF9 Insect Cells and is fused with a His tag at the N-terminal.
Species	Human
Source	Insect Cells
Description	MBD4 (UniProt/Swiss-Prot entry O95243) belongs to the family of methyl CpG binding proteins that specifically bind to methylated CpG dinucleotides. MBD4 probably functions to mediate the biological consequences of CpG methylation. Further, MBD4 has thymine glycosylase activity and is involved in DNA mismatch repair. It is specific for G/T mismatches within methylated and unmethylated CpG sites. Mutations of MBD4 are associated with tumors with primary microsatellite-instability, a type of genomic instability that is caused by a defective DNA mismatch repair.
Form	20mM Tris-Cl pH 7.6, 1 mM EDTA, 0.15 M NaCl, 10% glycerol, 0.5 mM PMSF and 1 mM DTT.
Purity	Purified using FPLC, >95% purity as determined by SDS-PAGE.
Notes	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Guaranteed stable for 2 years from date of receipt when stored properly.
Storage	Store at -80 centigrade.
Concentration	0.5 g/μ
Full Length	Full L.

GENE INFORMATION

Gene Name	MBD4 methyl-CpG binding domain protein 4 [Homo sapiens]
Official Symbol	MBD4
Synonyms	MBD4; methyl-CpG binding domain protein 4; MED1; G/T mismatch glycosylase; G/U mismatch glycosylase;
Gene ID	8930
mRNA Refseq	NM_003925
Protein Refseq	NP_003916
MIM	603574
UniProt ID	O95243

SDS page of the MBD4 recombinant protein. The position of the protein of interest is indicated on the right; the marker (in kDa) is shown on the left.

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