

Recombinant Human MBD4 protein, T7/His-tagged

Cat. No. MBD4-224H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human MBD4 cDNA (580aa) fused with T7-His-TEV cleavage site Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Form	0.25 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGQQMGRGHHHHHHENLYFQGGFEGTTGLESLSLGDRGAAPTVTSSERL VPDPPNDLRKEDVAMELERVG EDEEQMMIKRSSECNPLLQEPIASAQFGATAGTEC RKSVP CGWERVVKQRLFGKTAGRFDVYFISPQGLKFRS KS SLANYLHKNGETSLKP EDFDFTVLSKRGIKSRYKDCSMAALTSHLQNSNSNWNLRTRSKCKKDVFMPPSS SSE LQESRGLSNFTSTHLLKKEDEGVDDVNFVKVRKPKGKVTILKGIPIKTKKGC KSCSGFVQSDSKRESVCNKAD AESEPVAQKSQLDRVCISDAGACGETLSVTSEE NSLVKKKERSLSSGSNFCSEQKTSGIINKFCSAKDSEHNEK YEDTFLESEEIGTKVE VVERKEHLHTDILKRGSEMDNNCSPTRKDFTGEKIFQEDTIPRTQIERRKTSLYFSSK Y NKEALSPRRKAFKKTWPPRSPFNLVQETLFHDPWKLLIATIFLNRTSGKMAIPVL WKFLEKYPSAEVARTADWR DVSELLKPLGLYDLRAKTIVKFSDEYLTQWKYPIELH GIGKYGNDSYRIFCVNEWKQVHPEDHKL NKYHDWLWE NHEKLSLS
Purity	>90% by SDS-PAGE
Storage	Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at

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least 7 days.

GENE INFORMATION

Gene Name MBD4 methyl-CpG binding domain protein 4 [Homo sapiens]

Official Symbol MBD4

Synonyms MBD4; methyl-CpG binding domain protein 4; methyl-CpG-binding domain protein 4; MED1; G/T mismatch glycosylase; G/U mismatch glycosylase; methyl-CpG-binding protein MBD4; 3,N(4)-ethenocytosine glycosylase; methyl-CpG-binding endonuclease 1; mismatch-specific DNA N-glycosylase; putative methyl-CpG binding protein; G/5-fluorouracil mismatch glycosylase with biphasic kinetics;

Gene ID 8930

mRNA Refseq NM_003925

Protein Refseq NP_003916

MIM 603574

UniProt ID O95243

Chromosome Location 3q21.3

Pathway Base Excision Repair, organism-specific biosystem; Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem; Base-Excision Repair, AP Site Formation, organism-specific biosystem; Base-free sugar-phosphate removal via the single-nucleotide replacement pathway, organism-specific biosystem;

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Cleavage of the damaged pyrimidine, organism-specific biosystem; DNA Repair, organism-specific biosystem;

Function

DNA binding; catalytic activity; endodeoxyribonuclease activity; hydrolase activity; protein binding; satellite DNA binding;

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