9051 Mira Mesa Blvd, #910094
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MBD3 Human

Methyl-CpG Binding Domain Protein 3 Human Recombinant
RCP1329

Product Overview

Name	MBD3 Human
Description	
Methyl-CpG Binding Domain Protein 3 Human Recombinant	
Accession (Primary)	O95983
Synonyms	
Methyl-CpG Binding Domain Protein 3, Methyl-CpG-Binding Domain Protein 3, Methyl-CpG-Binding Protein MBD3.	
Introduction	
Methyl-CpG-binding domain protein 3 (MBD3), belongs to the MBD family of transcriptional repressors. Human proteins MECP2, MBD1, MBD2, MBD3, and MBD4 includes a family of nuclear proteins related by the presence of a methyl-CpG binding domain (MBD) in each protein. Nevertheless, not like the other family members, MBD3 is not capable of binding to methylated DNA. MBD3 is a subunit of the NuRD, a multisubunit complex having nucleosome remodeling and histone deacetylase activities. The predicted MBD3 protein shares 71% and 94% identity with MBD2 (isoform 1) and mouse Mbd3. MBD3 mediates the association of metastasis-associated protein 2 (MTA2) with the core histone deacetylase complex.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The MBD3 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 1mM DTT, 1mM EDTA and 40% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MERKRWE CPALPQGWER EEVPRRSGLS AGHRDVFYYS PSGKKFRSKP	

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QLARYLGGSM DLSTFDFRTG KMLMSKMNKS RQRVRYDSSN QVKGKPDLNT ALPVRQTASI FKQPVTKITN HPSNKVKSDP QKAVDQPRQL FWEKKLSGLN AFDIAEELVK TMDLPKGLQG VGPGCTDETL LSAIASALHT STMPITGQLS AAVEKNPGVW LNTTQPLCKA FMVTDEDIRK QEELVQQVRK RLEEALMADM LAHVEELARD GEAPLDKACA EDDDEEDEEE EEEEPDPDPE MEHV.

Precautions

MBD3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O95983)