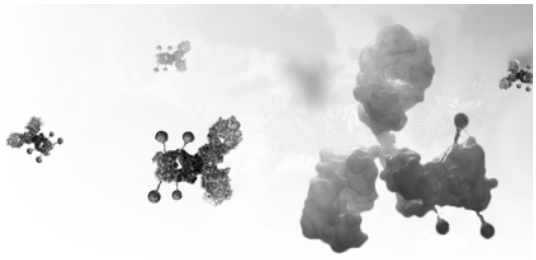

Human MBD3 blocking peptide (DAG-P1727)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	DNA methylation is the major modification of eukaryotic genomes and plays an essential role in mammalian development. This gene belongs to a family of nuclear proteins which are characterized by the presence of a methyl-CpG binding domain (MBD). The encoded protein is a subunit of the NuRD, a multisubunit complex containing nucleosome remodeling and histone deacetylase activities. Unlike the other family members, the encoded protein is not capable of binding to methylated DNA. The protein mediates the association of metastasis-associated protein 2 with the core histone deacetylase complex. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013]
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Contains 1 MBD (methyl-CpG-binding) domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	MBD3 methyl-CpG binding domain protein 3 [Homo sapiens (human)]
Official Symbol	MBD3
Synonyms	MBD3; methyl-CpG binding domain protein 3; methyl-CpG-binding domain protein 3;
Entrez Gene ID	53615

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mRNA Refseq	NM_001281453.1
Protein Refseq	NP_001268382.1
UniProt ID	O95983
Chromosome Location	19p13.3
Pathway	Gene Expression, organism-specific biosystem; RNA Polymerase I Promoter Clearance, organism-specific biosystem; RNA Polymerase I Transcription, organism-specific biosystem; RNA Polymerase I Transcription Initiation, organism-specific biosystem; RNA Polymerase I, RNA Polymerase III, and Mitochondrial Transcription, organism-specific biosystem; Signaling events mediated by HDAC Class I, organism-specific biosystem;
Function	DNA binding; contributes_to RNA polymerase II core promoter proximal region sequence-specific DNA binding; contributes_to RNA polymerase II distal enhancer sequence-specific DNA binding; methyl-CpG binding; contributes_to nucleosomal DNA binding; protein

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