Methyl-CpG-binding domain protein 2 (MBD2) Recombinant Protein | MBD2 recombinant protein

Recombinant Human Methyl-CpG-binding domain protein 2 (MBD2)

CATALOG #	HOST
AAA117744	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

Methyl-CpG-binding domain protein 2 (MBD2); Recombinant Human Methyl-CpG-binding domain protein 2 (MBD2); MBD2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	145-411aa; Partial
Sequence	ESGKRMDCPA LPPGWKKEEV IRKSGLSAGK SDVYYFSPSG KKFRSKPQLA RYLGNTVDLS SFDFRTGKMM PSKLQKNKQR LRNDPLNQNK GKPDLNTTLP IRQTASIFKQ PVTKVTNHPS NKVKSDPQRM NEQPRQLFWE KRLQGLSASD VTEQIIKTME LPKGLQGVGP GSNDETLLSA VASALHTSSA PITGQVSAAV EKNPAVWLNT SQPLCKAFIV TDEDIRKQEE RVQQVRKKLE EALMADILSR AADTEEMDIE MDSGDEA
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for MBD2 recombinant protein	DNA methylation is the major modification of eukaryotic genomes and plays an essential role in mammalian development. Human proteins MECP2, MBD1, MBD2, MBD3, and MBD4 comprise a family of nuclear proteins related by the presence in each of a methyl-CpG binding domain (MBD). Each of these proteins, with the exception of MBD3, is capable of binding specifically to methylated DNA. MECP2, MBD1 and MBD2 can also repress transcription from methylated gene promoters. This protein may function as a mediator of the biological consequences of the methylation signal. It is also reported that the this protein functions as a demethylase to activate transcription, as DNA methylation causes gene silencing.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505117
NCBI GeneID	8932
NCBI Accession #	NP_003918.1
NCBI GenBank Nucleotide #	NM_003927.4
UniProt Accession #	Q9UBB5; O95242; Q9UIS8
Molecular Weight	31,745 Da
NCBI Official Full Name	methyl-CpG-binding domain protein 2 isoform 1
NCBI Official Synonym Full Names	methyl-CpG binding domain protein 2

NCBI Official Symbol	MBD2
NCBI Official Synonym Symbols	DMTase; NY-CO-41
NCBI Protein Information	methyl-CpG-binding domain protein 2
UniProt Protein Name	Methyl-CpG-binding domain protein 2
UniProt Gene Name	**MBD2**
UniProt Synonym Gene Names	DMTase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/mbd2-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/117744