

MECP2 抗原（重组蛋白）

中文名称：MECP2 抗原（重组蛋白）

英文名称：MECP2 Antigen (Recombinant Protein)

别名：methyl CpG binding protein 2; RS; RTS; RTT; PPMX; MRX16; MRX79; MRXSL; AUTSX3; MRXS13

储存：冷冻（-20℃）

相关类别：抗原

概述

Fusion protein corresponding to N terminal 162 amino acids of human MECP2

技术规格

Full name:	methyl CpG binding protein 2
Synonyms:	RS; RTS; RTT; PPMX; MRX16; MRX79; MRXSL; AUTSX3; MRXS13
Swissprot:	P51608
Gene Accession:	BC011612
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	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. In contrast to other MBD family members, MECP2 is X-linked and subject to X inactivation. MECP2 is dispensible in stem cells, but is essential for embryonic development.