

Methyl CpG Binding Protein 2 Recombinant Protein | MECP2 recombinant protein

Recombinant Human Methyl CpG Binding Protein 2

CATALOG # AAA38958	HOST Mammalian system, 293 cells
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PRODUCT SYNONYMS

Methyl CpG Binding Protein 2; Recombinant Human Methyl CpG Binding Protein 2; MECP2 Human; Methyl CpG Binding Protein 2 Human Recombinant; Methyl CpG binding protein 2 (Rett syndrome); MeCp-2 protein; AUTSX3; MRX16; MRX79; MRXS13; MRXSL; PPMX; RTT; Mental retardation; X-linked 16; DKFZp686A24160; MECP2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Mammalian system, 293 cells
Purity/Purification	Greater than 80% as determined by SDS-PAGE.
Form/Format	The MECP2 solution (0.45mg/ml) contains 50mM Tris, 135mM NaCl, 20% Glycerol, pH 7.5 and 200 ug/ml DYKDDDDK peptide. Sterile Filtered colorless solution.
Sequence	MDYKDDDDK< /u>MVAGMLG LREEKSEDQD LQGLKDKPLK FKKVKKDKKE EKEGKHEPVQ PSAHSAEPA EAGKAETSEG SGSAPAVPEA SASPKQRRSI IRDRGPMYDD PTLPEGWTRK LKQRKSGRSA GKYDVYLINP QGKAFRSKVE LIAYFEKVG D TSLDPNDFDF TVTGRGSPSR REQPPKKPK SPKAPGTGRG RGRPKSGTTP RPKAATSEGV QVKRVLEKSP GKLLVKMPFQ TSPGGKAEGG GATTSTQVMV IKRPGRKRA EADPQAIPKK RGRKPGSVVA AAAAEAKKKA VKESSIRSVQ ETVLPIKKRK TRETVSIEVK EVVKPLLST LGEKSGKGLK TCKSPGRKSK ESSPKGRSSS ASSPPKKEHH HHHHSESAPK APVPLLPLP PPPPEPESSE DPTSPPEPQD LSSSVCKEEK MPRGGSLESD GCPKEPAKTQ PAVATAATAA EKYKHRGEGE RKDIVSSSMP RPNREEPVDS RTPVTERVS
Sequence Length	498
Preparation and Storage	MECP2 although stable 4 degree C for 4 weeks, should be stored below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for MECP2 recombinant protein	Description: MECP2 Human Recombinant is expressed in 293 cells. The protein contains 486 amino acids (1-486a.a.) and fused to an N-terminal DYKDDDDK tag, having an Mw of 53.56kDa. Introduction: MECP2 is the key modifier of eukaryotic genomes and has a crucial part in mammalian development. Human proteins MECP2, MBD1, MBD2, MBD3, and MBD4 form a family of nuclear proteins linked by the existence in each of a methyl-CpG binding domain (MBD). Each one of these proteins, with the exception of MBD3, can bind specifically to methylated DNA. In addition, MECP2, MBD1 and MBD2 can inhibit transcription from methylated gene promoters. Unlike other MBD family members, MECP2 is X-linked and subject to X inactivation. MECP2 is expendable in stem cells, but is vital for embryonic development. MECP2 gene mutations are the cause of most cases of Rett syndrome, a progressive neurologic developmental disorder and one of the most common reasons of mental retardation in females.
Product Categories/Family for MECP2 recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	160707950
NCBI GeneID	4204

NCBI Accession #	NP_001104262.1
NCBI GenBank Nucleotide #	NM_001110792.1
UniProt Accession #	P51608 ; O15233 ; Q6QHH9 ; Q7Z384
Molecular Weight	53,323 Da
NCBI Official Full Name	methyl-CpG-binding protein 2 isoform 2
NCBI Official Synonym Full Names	methyl CpG binding protein 2
NCBI Official Symbol	MECP2
NCBI Official Synonym Symbols	RS; RTS; RTT; PPMX; MRX16; MRX79; MRXSL; AUTSX3; MRXS13
NCBI Protein Information	methyl-CpG-binding protein 2; meCp-2 protein
UniProt Protein Name	Methyl-CpG-binding protein 2
UniProt Gene Name	MECP2
UniProt Synonym Gene Names	MeCp-2 protein; MeCp2
UniProt Entry Name	MECP2_HUMAN

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://www.aaabiotech.com/mecp2-recombinant-protein-mammalian/38958>