

Methyl CpG Binding Protein 2 Human Recombinant

Item Number	rAP-4237
Synonyms	Methyl CpG binding protein 2 (Rett syndrome), MeCp-2 protein, AUTSX3, MRX16, MRX79, MRXS13, MRXSL, PPMX, RTT, Mental retardation, X-linked 16, DKFZp686A24160.
Description	MECP2 Human Recombinant is expressed in 293 cells. The protein contains 486 amino acids (1-486a.a.) and fused to an N-terminal Flag tag, having an Mw of 53.56kDa.
Uniprot Accession Number	P51608
Amino Acid Sequence	MDYKDDDDKMMVAGMLGLREEKSEDQDLQGLKDK- PLKFKKVKKDKKEEKEGKHEPVQPSAHHSAEPAEAGKAETSEGSGSAPAVPEASASPKQRRSIIRDGRPM YDDPTLPEGWTRKLKQRKSGRSAGKYDVYLINPQGKAFRSKVELIAYFEKVGDTSLDPNDFDFTVTGRGSP SRREQPKPKKPKSPKAPGTGRGRGRPKGSGTTRPKAATSEGVQVKRVLEKSPGKLLVKMPFQTSPGGKA EGGGATTSTQVMVIKRPGRKRKAEDPQAIPKKRGRKPGSVVAAAAAEAKKAVKESSIRSVQETVLPIKK RKTRETVSIEVKEVVKPLLVLSTLGEKSGKGLKTCKSPGRKSKESSPKGRSSASSPPKKEHHHHHHHSESP
Source	Mammalian system, 293 cells.
Physical Appearance and Stability	Sterile Filtered colorless solution. MECP2 although stable 4°C for 4 weeks, should be stored below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	The MECP2 solution (0.45mg/ml) contains 50mM Tris, 135mM NaCl, 20% Glycerol, pH 7.5 and 200µg/ml FLAG peptide. Greater than 80% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**