

Methyl-CpG Binding Domain Protein 3 Human Recombinant

Item Number	rAP-3849
Synonyms	Methyl-CpG Binding Domain Protein 3, Methyl-CpG-Binding Domain Protein 3, Methyl-CpG-Binding Protein MBD3.
Description	MBD3 Human Recombinant produced in E. coli is a single polypeptide chain containing 314 amino acids (1-291) and having a molecular mass of 35.2 kDa. MBD3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	O95983
Amino Acid Sequence	MGSSHHHHHH SSSLVPRGSH MGSMERKRWE CPALPQGWER EEVPRRSGLS AGHRDVFYYS PSGKKFRSKP QLARYLGGSM DLSTDFDRTG KMLMSKMNKS RQRVRYDSSN QVKGKPDNLN ALPVRQTASI FKQPVTKITN HPSNKVKSDP QKAVDQPRQL FWEKKLSGLN AFDIAEELVK TMDLPKGLQG VGGGCTDETL LSAIASALHT STMPITGQLS AAVEKNPGVW LNNTQPLCKA FMVTDEDIRK QEELVQQVRK RLEEALMADM LAHVEELARD GEAPLDKACA EDDDEEEDDEE EEEEPDPE MEHV.
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The MBD3 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 1mM DTT, 1mM EDTA and 40% glycerol. Greater than 85% 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**