

MBD3, 1-291aa, Human, His tag, E.coli

Cat.NO.: TP02921

3th Edition

Synonyms: Methyl-CpG-binding domain protein 3, Methyl CpG binding domain protein 3, Methyl-CpG-binding protein MBD3.

Description: Methyl-CpG-binding domain protein 3, also known as MBD3, is a member of the MBD family of transcriptional repressors. 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). However, unlike the other family members, MBD3 is not capable of binding to methylated DNA.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 1mM DTT, 1mM EDTA

Molecular Weight: 35.2 kDa (314aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMERKRWECPALPQGWEREEVPRRSGLSAGHRDVFYYSPSGKKFRSKPQL
ARYLGGSMDLSTDFDFRTGKMLMSKMNKSQRVRYDSSNQVKGKPDNLNTPVQRQTASIFKQPVTKITNHPSNKVK
SDPQKAVDQPRQLFWEKKLSGLNAFDIAEELVKTM DLPKGLQGVP GCTDETL LSAIASALHTSTMPITGQLSAAVE
KNPGVWLNTTQPLCKAFMVTDEDIRKQEELVQQVRKRLEEALMADMLAHVEELARDGEAPLDKACAEDDDEEDEE
EEEEPPDPPEMEHV

Purity: > 95% by HPLC

Concentration: 0.25 mg/ml

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.