

MBD3 recombinant protein

MBD3, 1-291aa, Human, His tag, E Coli

CATALOG # AAA48710	HOST E Coli	APPLICATIONS SDS-Page
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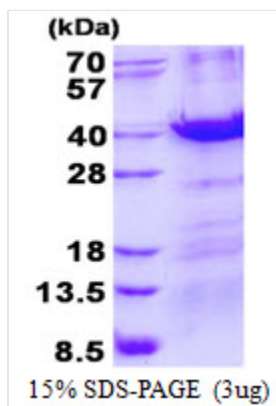
PRODUCT SYNONYMS

MBD3; 1-291aa; Human; His tag; E Coli; Methyl-CpG-binding domain protein 3; Methyl CpG binding domain protein 3; Methyl-CpG-binding protein MBD3; MBD3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 1mM DTT, 1mM EDTA
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSMERKRWE CPALPQGWEEVPRRSGLS AGHRDVFYYS PSGKKFRSKP QLARYLGGSMDLSTDFRTG KMLMSKMNKS RQVRVYDSSN QVKGKPD LNTALPVRQTASI FKQPVTKITN HPSNKVKSDP QKAVDQPRQL FWEKKLSGLN AFDIAEELVK TMDLPKGLQG VGP GCTDETL LSAIASALHT STMPITGQLS AAVEKNPGVW LNTTQPLCKA FMVTDEDIRK QEELVQVVRK RLEEALMADM LAHVEELARD GEAPLDKACA EDDDEEDEEE EEEEPDPDPE MEHV
Sequence Length	259
Applicable Applications for MBD3 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MBD3 recombinant protein	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. The predicted MBD3 protein shares 71% and 94% identity with MBD2 (isoform 1) and mouse Mbd3. MBD3 is a subunit of the NuRD, a multisubunit complex containing nucleosome remodeling and histone deacetylase activities. MBD3 mediates the association of metastasis-associated protein 2 (MTA2) with the core histone deacetylase complex. Recombinant human MBD3 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for MBD3 recombinant protein	Epigenomics
References	Nan X., et al. (1998) Nature. 393:386-389; Hendrich B., et al. (1999) Mamm Genome. 10: 906-912.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505119
NCBI GeneID	53615
NCBI Accession #	NP_003917
NCBI GenBank Nucleotide #	NM_003926.5
Molecular Weight	35.2 kDa (314aa) confirmed by MALDI-TOF
NCBI Official Synonym Full Names	methyl-CpG binding domain protein 3
NCBI Official Symbol	MBD3
NCBI Protein Information	methyl-CpG-binding domain protein 3
UniProt Protein Name	Methyl-CpG-binding domain protein 3
UniProt Gene Name	MBD3

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://stage.aaabiotech.com/mbd3-recombinant-protein-e-coli-sds-page/48710>