

Datasheet for ABIN1098411 **MBD3 Protein (His tag)**



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1 Image

Overview

Quantity:	50 µg
Target:	MBD3
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This MBD3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Purification:	purified by chromatography
Purity:	> 85 % by SDS - PAGE

Target Details

Target:	MBD3
Alternative Name:	MBD3 (MBD3 Products)

Background: 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

Target Details

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.

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

NCBI Accession: [NP_003917](#)

Pathways: [Chromatin Binding](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/ml (determined by Bradford assay)

Buffer: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2 M NaCl, 40% glycerol, 1 MM DTT, 1 MM EDTA

Storage: 4 °C

Storage Comment: Avoid repeated freezing and thawing cycles.

Images

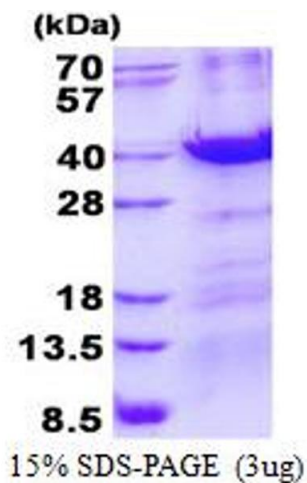


Image 1.