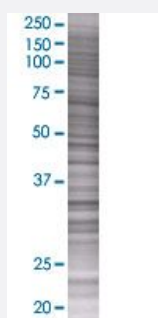


MBD3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00053615-T01

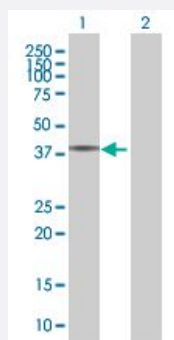
Size 100 uL

Applications



SDS-PAGE Gel

MBD3 transfected lysate.



Western Blot

Lane 1: MBD3 transfected lysate (32.12 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-MBD3 full-length
Host	Human
Theoretical MW (kDa)	32.12
Interspecies Antigen Sequence	Mouse (95); Rat (95)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-MBD3 antibody ([H00053615-B01](#)) by Western Blots.
 SDS-PAGE Gel
 MBD3 transfected lysate.
 Western Blot
 Lane 1: MBD3 transfected lysate (32.12 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — MBD3

Entrez GeneID

[53615](#)

GeneBank Accession#

[NM_003926.5](#)

Protein Accession#

[NP_003917.1](#)

Gene Name

MBD3

Gene Alias

-

Gene Description

methyl-CpG binding domain protein 3

Omim ID

[603573](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

DNA methylation is the major modification of eukaryotic genomes and plays an essential role in mammalian development. 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. [provided by RefSeq]

Other Designations

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