

MBD4-MBD recombinant protein

Recombinant MBD4-MBD protein

CATALOG #
AAA60372

HOST
E coli

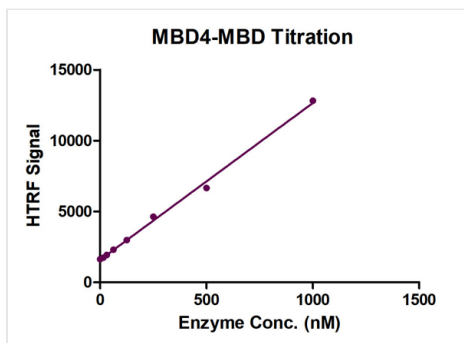
PRODUCT SYNONYMS

MBD4-MBD; Recombinant MBD4-MBD protein; Methyl-CpG-binding domain protein 4; MED1; MBD4-MBD recombinant protein

PRODUCT SPECIFICATIONS

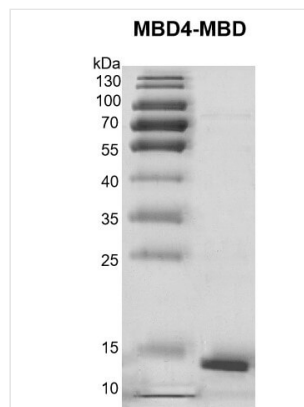
Host	E coli
Form/Format	Recombinant MBD4-MBD protein is supplied in 25 mM Tris 8.0, 300mM NaCl, 20% glycerol, 0.5 mM TCEP.
Protein Species	Human
Protein Details	Recombinant MBD4-MBD protein that includes amino acids 71-159 of human MBD4 protein (accession number NP_003916.1) was expressed in E coli cells with an N-terminal 6xHis tag. The molecular weight of the protein is 12.31kDa.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

IMAGES



Application Data

HTRF assay for MBD4-MBD activity 1uM substrate DNA (5'-Biotin-GCAGCCGG/5mC/GCGAATC-3') were incubated with different concentrations of MBD4-MBD protein in HTRF binding buffer contain 50mM HEPES-NaOH pH 7.4, 0.1%BSA for 1 hour, Then 10ul detection reagents contain anti-His antibody (1:100) and SA-XL665 (1:100) diluted with 1x Detection Buffer were added and incubated for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



SDS-PAGE

MBD4-MBD protein gel. 12.5% SDS-PAGE gel stained with Coomassie Blue. MW: 12.31kDa Purity: >95%

ADDITIONAL INFORMATION

Related Product Information for MBD4-MBD recombinant protein	MBD4 (Methyl-CpG-binding domain protein 4) can mismatch-specific DNA N-glycosylase involved in DNA repair. Has thymine glycosylase activity and is specific for G:T mismatches within methylated and unmethylated CpG sites. Can also remove uracil or 5-fluorouracil in G:U mismatches. Has no lyase activity. Was first identified as methylCpG-binding protein.
Product Categories/Family for MBD4-MBD recombinant protein	DNA Damage ; Transcription ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

Molecular Weight	12.31kDa
------------------	----------

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mbd4-mbd-recombinant-protein-e-coli/60372>