

MECP2 recombinant protein

Recombinant MECP2 (80-166) protein

CATALOG #
AAA60373

HOST
E coli

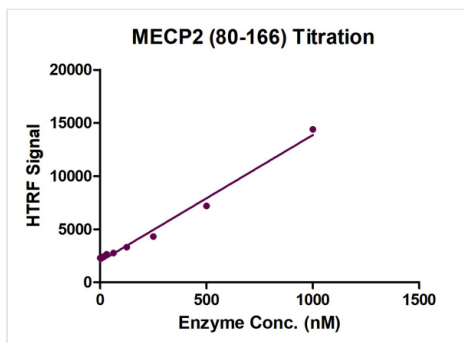
PRODUCT SYNONYMS

MECP2; Recombinant MECP2 (80-166) protein; Methyl-CpG-binding protein 2; MeCp-2 Protein; MRX16; MRX79; RTT; MECP2 recombinant protein

PRODUCT SPECIFICATIONS

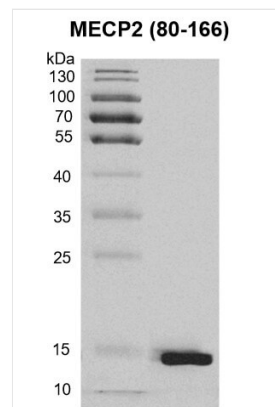
Host	E coli
Form/Format	Recombinant MECP2 (80-166) protein is supplied in 25 mM Tris 8.0, 300mM NaCl, 20% glycerol, 0.5 mM TCEP.
Protein Species	Human
Protein Details	Recombinant MECP2 (80-166) protein that includes amino acids 80-166 of human MECP2 protein (accession number NP_004983.1) was expressed in E coli cells with an N-terminal 6xHis tag. The molecular weight of the protein is 12.19kDa.
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 Recombinant MECP2 (80-166) protein activity 1uM substrate DNA (5'-Biotin-GCAGCCGG/5mC/GCGAATC-3') were incubated with different concentrations of MECP2 (80-166) 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

Recombinant MECP2 (80-166) protein gel. 12.5% SDS-PAGE gel stained with Coomassie Blue. MW: 12.19kDa Purity: >95%

ADDITIONAL INFORMATION

Related Product Information for MECP2 recombinant protein

MECP2 (Methyl-CpG-binding protein 2) is a chromosomal protein that binds to methylated DNA. It can bind specifically to a single methyl-CpG pair. It is not influenced by sequences flanking the methyl-CpGs. Mediates transcriptional repression through interaction with histone deacetylase and the corepressor SIN3A. Binds both 5-methylcytosine (5mC) and 5-hydroxymethylcytosine (5hmC)-containing DNA, with a preference for 5 methylcytosine (5mC).

Product Categories/Family for MECP2 recombinant protein

[DNA Methyltransferase \(DNMT\)](#); [Transcription](#); [Recombinant Proteins](#)

NCBI AND UNIPROT INFORMATION

Molecular Weight	12.19kDa
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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/mecp2-recombinant-protein-e-coli/60373>