

Product datasheet for **RN212432**

Mecp2 (NM_022673) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mecp2 (NM_022673) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mecp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN212432 representing NM_022673
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTAGCTGGGATGTTAGGGCTCAGGGAGGAAAAGTCAGAAGACCAGGATCTCCAGGGCCTCAAAGAGA
 AACCCCTGAAGTTAAGAAGGTGAAGAAAGACAAGAAGGAAGACAAGAGGGCAAACATGAACCACTACA
 GCCTTCAGCCACCATTCTGCAGAGCCAGCAGAGGCAAGCAAAGCAGAGACATCAGAAAGCTCAGGCTCT
 GCCCAGCAGTACCAGAAGCCTCTGCTTCTCCAAACAGCGACGTTCCATCATTTCGTGACCGGGACCTA
 TGTATGATGACCCACCTTGCTGAAGTTGGACGCGAAAGCTTAAACAGAGGAAGTCTGGTCGCTCTGC
 TGGAAAGTATGATGATATTTGATCAATCCCCAGGGAAAAGCCTTTCGCTCTAAAGTAGAATTGATTGCA
 TATTTTAAAAGGTGGGAGACACCTCCTGGACCCTAATGATTTTGACTTCACTGTAAGTGGGAGAGGGA
 GCCCTTCAGGAGAGAACAGAAACCACCTAAGAAGCCCAATCTCCAAAGCTCCAGGAAGTGGCAGGGG
 TCGGGGACGCCCAGGAGGAGCGCACTGGGAGACCAAAGGCAGCAGCATCAGAAGGTGTTCAAGTGAAA
 AGGGTCTGGAGAAGAGCCCTGGGAAACTTCTCGTCAAGATGCCTTTCGAAGCATCACCTGGGGGTAAAG
 GTGAGGGAGTGGGGCTACCACATCTGCGCAGGTGATGGTATCAACGCCTGGCAGAAAAGCGAAAAGC
 TGAAGCTGACCCAGGCCATTCTAAGAAACGGGTAGAAAAGCCTGGGAGTGTGGTGGCAGCTGCCTGCT
 GCAGAGGCCAAAAAGAAAGCTGTGAAGGAATCTTCTATACGGTCTGTGCAGGAGACTGTGCTCCCATCA
 AGAAGCGCAAGACCCGGGAAACCGTCAGCATTGAGGTCAAGGAGGTGGTGAAGCCCTGCTGGTGTCTAC
 ACTTGGTGAAGAGTGGAAAGGACTGAAGACATGCAAGAGCCCTGGGCGTAAAAGCAAGGAGAGCAGC
 CCCAAGGGGCGCAGCAGCAGTGCCTCCTCACCACCTAAGAAGGAGCACCATCATCACCACCATCACGCAG
 AGTCCCCAAAGGCCCCCATGCCATTGCTTCCACCTCCACCCACCTGAGCCTCAGAGCTGAGGACCC
 CATCAGCCCCCTGAGCCTCAGGACTTGAGCAGCAGCATCTGCAAAGAGGAGAAGATGCCCGAGCAGGC
 TCACTGAAAGCGATGGCTGCCCAAGGAGCCAGCTAAGACTCAGCCATGGTTGCTGCCCGGCCACCA
 CCACCACCACCACCACCACAGTTGCAGAAAAGTACAAACACCGAGGGGAGGGAGAGCGCAAAGACAT
 TGTTTCATCCTCCATGCCGAGGCCAAACAGAGAGGAGCCTGTGGACAGCCGGACGCCCGTGACCGAGAGA
 GTTAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_022673

Insert Size: 1479 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_022673.2</u> , <u>NP_073164.2</u>
RefSeq Size:	1711 bp
RefSeq ORF:	1479 bp
Locus ID:	29386
UniProt ID:	<u>Q00566</u>
Cytogenetics:	Xq37
Gene Summary:	methyl-CpG-binding protein; binds to DNA that contains a single methyl-CpG pair [RGD, Feb 2006]