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Product datasheet for SC201744

MECP2 (NM_001110792) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MECP2 (NM_001110792) Human 3' UTR Clone
Symbol:	MECP2
Synonyms:	AUTSX3; MRX16; MRX79; MRXS13; MRXSL; PPMX; RS; RTS; RTT
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001110792
Insert Size:	2000 bp

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Insert Sequence:

>SC201744 3'UTR clone of NM_001110792
The sequence shown below is from the reference sequence of NM_001110792. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CGGACGCCCGTGACCGAGAGAGTTAGCTGACTTTACACGGAGCGGATTGCAAAGCAAACCAACAAGAAT
AAAGGCAGCTGTTGTCTCTTCTCCTTATGGGTAGGGCTCTGACAAAGCTTCCCGATTAACTGAAATAAA
AAATATTTTTTTTTCTTTCAGTAAACTTAGAGTTTCGTGGCTTCAGGGTGGGAGTAGTTGGAGCATTGG
GGATGTTTTTCTTACCGACAAGCACAGTCAGGTTGAAGACCTAACCAGGGCCAGAAGTAGCTTTGCACT
TTTCTAAACTAGGCTCCTTCAACAAGGCTTGCTGCAGATACTACTGACCAGACAAGCTGTTGACCAGGC
ACCTCCCCTCCCGCCCAAACCTTTCCCCCATGTGGTCGTTAGAGACAGAGCGACAGAGCAGTTGAGAGG
ACACTCCCGTTTTCGGTGCCATCAGTGCCCCGTCTACAGCTCCCCCAGCTCCCCCCACCTCCCCCACTC
CCAACCACGTTGGGACAGGGAGGTGTGAGGCAGGAGAGACAGTTGGATTCTTTAGAGAAGATGGATATG
ACCAGTGGCTATGGCCTGTGCGATCCCACCCGTGGTGGCTCAAGTCTGGCCCCACACCAGCCCCAATCC
AAAACTGGCAAGGACGCTTCACAGGACAGGAAAGTGGCACCTGTCTGCTCCAGCTCTGGCATGGCTAGG
AGGGGGGAGTCCCTTGAACTACTGGGTGTAGACTGGCCTGAACCACAGGAGAGGATGGCCCAGGGTGAG
GTGGCATGGTCCATTCTCAAGGGACGTCCTCCAACGGGTGGCGCTAGAGGCCATGGAGGCAGTAGGACA
AGGTGCAGGCAGGCTGGCCTGGGGTCAGGCCGGGCAGAGCACAGCGGGGTGAGAGGGATTCCTAATCAC
TCAGAGCAGTCTGTGACTTAGTGGACAGGGGAGGGGGCAAAGGGGGAGGAGAAGAAAATGTTCTTCCAG
TTACTTTCCAATTCTCCTTTAGGGACAGCTTAGAATTATTTGCACTATTGAGTCTTCATGTTCCCACTT
CAAAACAAACAGATGCTCTGAGAGCAAACTGGCTTGAATTGGTGACATTTAGTCCCTCAAGCCACCAGA
TGTGACAGTGTTGAGAACTACCTGGATTTGTATATATACCTGCGCTTGTTTTAAAGTGGGCTCAGCACA
TAGGGTTCCCACGAAGCTCCGAAACTCTAAGTGTTTGCTGCAATTTTATAAGGACTTCCTGATTGGTTT
CTCTTCTCCCCTTCCATTTCTGCCTTTTGTTCATTTCATCCTTTCACTTCTTTCCCTTCCTCCATCCTC
CTCCTTCCTAGTTCATCCCTTCTCTTCCAGGCAGCCGCGGTGCCCAACCACACTTGTCGGCTCCAGTCC
CCAGAACTCTGCCTGCCCTTTGTCCTCCTGCTGCCAGTACCAGCCCCACCCTGTTTTGAGCCCTGAGGA
GGCCTTGGGCTCTGCTGAGTCCGACCTGGCCTGTCTGTGAAGAGCAAGAGAGCAGCAAGGTCTTGCTCT
CCTAGGTAGCCCCCTCTTCCCTGGTAAGAAAAAGCAAAAGGCATTTCCCACCCTGAACAACGAGCCTTT
TCACCCTTCTACTCTAGAGAAGTGGACTGGAGGAGCTGGGCCCGATTTGGTAGTTGAGGAAAGCACAGA
GGCCTCCTGTGGCCTGCCAGTCATCGAGTGGCCCAACAGGGGCTCCATGCCAGCCGACCTTGACCTCAC
TCAGAAGTCCAGAGTCTAGCGTAGTGCAGCAGGGCAGTAGCGGTACCAATGCAGAACTCCCAAGACCCG
AGCTGGGACCAGTACCTGGGTCCCCAGCCCTTCCTCTGCTCCCCCTTTTCCCTCGGAGTTCTTCTTGAA
TGGCAATGTTTTGCTTTTGCTCGATGCAGACAGGGGGCCAGAACACCACACATTTCACTGTCTGTCTGG
TCCATAGCTGTGGTGTAGGGGCTTAGAGGCATGGGCTTGCTGTGGGTTTTTAATTGATCAGTTTTCAT
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_001110792.2

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). Each of these proteins, with the exception of MBD3, is capable of binding specifically to methylated DNA. MECP2, MBD1 and MBD2 can also repress transcription from methylated gene promoters. In contrast to other MBD family members, MECP2 is X-linked and subject to X inactivation. MECP2 is dispensible in stem cells, but is essential for embryonic development. MECP2 gene mutations are the cause of most cases of Rett syndrome, a progressive neurologic developmental disorder and one of the most common causes of cognitive disability in females. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2015]

Locus ID: 4204

MW: 73.6