

Gene: MECP2 - Sequence: NG_007107.2
 Transcript: NM_001110792.1 - Protein: NP_001104262.1
 Date : February 26, 2015

1st line: Base numbering. Full stops for intronic +/- 5, 10, 15...
 2nd line: Base sequence. lower case Introns, upper case Exons
 3rd line: Amino acid sequence. Printed on FIRST base of codon
 4th line: Amino acid numbering. Numbered on 1st and increments of 10

Exon 1 | Start: 44391 | End: 44518 | Length: 127

```

. . . . .
ctaaaccagtcctccgcgcccagccgcctcttttcccaaagacggccgaaagcagc

. . . . .
caatcaacagctggaggggtccgcccccttttccctggccgaaatggacaggaaatctcg

. . . . .
ccaattgacggcatcgccgctgagacctccccctccccgtcctccccgtcccagcccg

. . . . .
gccatcacagccaatgacgggcgggctcgagcggcgccgagggcggggcgcgggcgcgcg

. . . . .
aggtgcagcagcgcgcgggccggccaagagggcggggcgcgacgtcggccgtgcggggtc

      |-59      |-49      |-39      |-29      |-19      |-9
CCGGCGTCGGCGGCGCGCGCTCCCTCTCGGAGAGAGGGCTGTGGTAAAGCCGTC

      |1        |11        |21        |31        |41        |51
CGGAAAATGGCCGCCGCCGCCGCCGCCGCCGAGCGGAGGAGGAGGAGGAGGCGAGGAG
      M  A  A  A  A  A  A  A  P  S  G  G  G  G  G  G  E  E
      |1                                |11

      |61
GAGAGACTgtgagtgggaccgccgtggccgcgggcggggacccttgccggggggcggggg
E  R  L
      |21

. . . . .
tcagggcggggacgtggcgcgggaggggcccgcgggggtcggacgacacggctggcggatg

. . . . .
gcgtccctcctctctaccctccccctcccgccgcccgtggcgactctccctcggcc

```

.
cgtcaccgctgctcgcgggtgaccgtcctcggcggcctccctggagccgccttcgcct

.
gacgcccctcttcctcccgcctcgacgcgcatcccgccccggccccgcgggcgcccc

. .
tgtcgccg

Exon 3 | Start: 109571 | End: 109921 | Length: 350

```
. . . . .
gccgcagtgtttccgctcagaggaaagggctctgattctcctgcagtgctaggagacttg
. . . . .
tgggtggccacagtgaggtcaggcacaccggccagcaccacccacagcccaaattccta
. . . . .
aagaaatatgtgggtcccagcttggcccagtgctctgttgcctggggaaggacatcaag
. . . . .
atctgagtgatgatggcctggggccttgcatgtggtgggggtccaagcctgcctctgct
. . . . .
cacttgttctgcagactggcatgttctctgtgatacttacatacttgtttaacacttcag

      |71      |81      |91      |101     |111     |121
GGAAGAAAAGTCAGAAGACCAGGACCTCCAGGGCCTCAAGGACAAACCCCTCAAGTTTAA
E E K S E D Q D L Q G L K D K P L K F K
                        |31                        |41

      |131     |141     |151     |161     |171     |181
AAAGGTGAAGAAAGATAAGAAAGAAGAGAAAGAGGGCAAGCATGAGCCCGTGCAGCCATC
K V K K D K K E E K E G K H E P V Q P S
                        |51                        |61

      |191     |201     |211     |221     |231     |241
AGCCCACCACTCTGCTGAGCCCGCAGAGGCAGGCAAAGCAGAGACATCAGAAGGGTCAGG
A H H S A E P A E A G K A E T S E G S G
                        |71                        |81

      |251     |261     |271     |281     |291     |301
CTCCGCCCCGGCTGTGCCGGAAGCTTCTGCCTCCCCAAACAGCGGCGTCCATCATCCG
S A P A V P E A S A S P K Q R R S I I R
                        |91                        |101

      |311     |321     |331     |341     |351     |361
TGACCGGGGACCCATGTATGATGACCCACCCCTGCCTGAAGGCTGGACACGGAAGCTTAA
D R G P M Y D D P T L P E G W T R K L K
                        |111                        |121

      |371     |381     |391     |401     |411     .
GCAAAGGAAATCTGGCCGCTCTGCTGGGAAGTATGATGTGTATTTGATCAAgtagtaag
Q R K S G R S A G K Y D V Y L I N
                        |131
```

.
agcaactcctatctctacagggcagggagggcagggacaaggatccctcatggagcagga
.
aaatgtatgtgccaggggtggggtcggggggaacataaacaatgaacactgagaccaggt
.
gtgcttgaaatgaccgtgtacagaggtcgctgccctgagtgggaagttctcaaggtagca
.
ggccctctatcctctccacacctaagtctttatctggggatggaatagctgcggaagca
.
gaggaacttgcagagctaggggttcagaggggtgaagaagcatgtttcagt

Exon 4 | Start: 110678 | End: 111894 | Length: 1216

.
gttctagatggtgactcaggcccaggcaccaaccagcagaatgggcctcagcctgacaac

.
ccttctgtaccaggcctgactctttggttgctgaactttggagaggcctgggggggtcag

.
cggcaggcagacgagtgagtggctttggtgacaggctcctcaggggcagccaggcagtggtg

.
actctcgttcaatagtaacgtttgtcagagcgttgtcaccaccatccgctctgcctatc

.
tctgacattgctatggagagcctctaattgttccttgctgtctttctgtttgtccccacag

421	431	441	451	461	471
TCCCCAGGGAAGCCTTTCGCTCTAAAGTGGAGTTGATTGCGTACTTCGAAAAGGTAGG					
P	Q	G	K	A	F
R	S	K	V	E	L
I	A	Y	F	E	K
V	G				
141			151		

481	491	501	511	521	531
CGACACATCCCTGGACCCTAATGATTTTGAAGTTCACGGTAACTGGGAGAGGGAGCCCCCTC					
D	T	S	L	D	P
N	D	F	D	F	T
V	T	G	R	G	S
P	S				
161			171		

541	551	561	571	581	591
CCGGCGAGAGCAGAAACACCTAAGAAGCCCAATCTCCCAAAGCTCCAGGAACTGGCAG					
R	R	E	Q	K	P
P	K	K	P	K	S
P	K	A	P	G	T
G	R				
181			191		

601	611	621	631	641	651
AGGCCGGGACGCCCCAAAGGGAGCGGCACCACGAGACCCAAGGCGGCCACGTCAGAGGG					
G	R	G	R	P	K
G	S	G	T	T	R
P	K	A	A	T	S
E	G				
201			211		

661	671	681	691	701	711
TGTGCAGGTGAAAAGGTCCTGGAGAAAAGTCCTGGGAAGCTCCTTGTCAAGATGCCTTT					
V	Q	V	K	R	V
L	E	K	S	P	G
K	L	L	V	K	M
P	F				
221			231		

721	731	741	751	761	771
TCAAACCTTCGCCAGGGGGCAAGGCTGAGGGGGGTGGGGCCACCACATCCACCCAGGTCAT					
Q	T	S	P	G	G
K	A	E	G	G	G
A	T	T	S	T	Q
V	M				
241			251		

LRG Parser: Version: 1.1, Version Date: 11/02/2015
Reader: Version: 1, Version Date: 11/02/2015
Writer: Version: 1, Version Date: 11/02/2015
Control: Version: 1, Version Date: 11/02/2015