

## Product datasheet for **MR219934**

### Crebl2 (NM\_177687) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Crebl2 (NM\_177687) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Crebl2  
**Synonyms:** A1046348; B230205M03  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR219934 representing NM\_177687  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATGACAGCAAGGTGGTGGAGGCAAAGTGAAGAAGCCTGGTAAGCGAGGACGGAAGCCAGCCAAAA  
TCGACTTGAAAGCGAACTTGAGCGAAGCCGGCAGAGTGCAGAGAATGCCGGCCAGGAAAAAGCTGAG  
GTACCACTACTGGAGGAGTTGGTATCCAGTCGGGAAAGAGCTATATGTGCACTCCGAGAGGAAGCTGGAA  
ATGTACAAGCAGTGGTGCATGGCAATGGACCAAGGAAAAATCCCTTCTGAAATAAGGGCCCTACTCACTG  
GCGAGGAGCAGAGCAAGCCTCAGCAGAGCTCAAGCAGGCATCCCAAAGCTGGGAAGACAGACGCTGACAC  
CAACTCGTTGGTGGGAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR219934 representing NM\_177687  
Red=Cloning site Green=Tags(s)

MDDSKVVGKVKKPGKRGRPAKIDLKAKLERSRQSARECRARKLRYQYLEELVSSRERAICALREELE  
MYKQWCMAMDQKIPSEIRALLTGEEQSKPQQSSSRHPKAGKTDADTNSLVGN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9042\\_b04.zip](https://cdn.origene.com/chromatograms/mm9042_b04.zip)

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_177687

**ORF Size:** 369 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**
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:** [NM\\_177687.3](#), [NP\\_808355.1](#)

**RefSeq Size:** 2536 bp

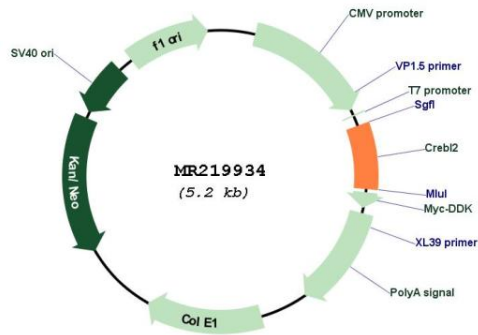
**RefSeq ORF:** 372 bp

**Locus ID:** 232430

**UniProt ID:** [Q32M00](#)

**Cytogenetics:** 6 G1  
**MW:** 14.4 kDa  
**Gene Summary:** Probable regulator of CREB1 transcriptional activity which is involved in adipose cells differentiation. May also play a regulatory role in the cell cycle.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR219934