

Product datasheet for MR203217

2310026E23Rik (BC051512) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | 2310026E23Rik (BC051512) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | 2310026E23Rik |
| Synonyms: | 2310026E23Rik |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR203217 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAGTCTGGAGGATGCTGTCGTGCCCGGGCTCTGTATGAGGAGCTGCTGCGAACTACCAGCAGC
AACAAAGAGGAGATGCGCCACCTCCAGCAGGAGCTGGAGCGGACTCGGAGGCAGCTCGTACAGCAGGCCAA
GAAGCTCAAGGAGTACGGGGCATTGGTGTCTGAAATGAAGGAGCTCCGAGACCTCAACAGGAGACTCCAA
GATGTGCTACTCCTGCGGCTTGGCAGCGGTCCCGCCATTGACTTGGAAAAAGTAAAGTCAGAATGTCTCG
AGCCCCGAGCCGGAGTTACGGAGCACTTTCAGTGAGGAAGCAAATACGTCGTCCTATTACCCCGCTCCTGC
GCCTGTGCATGGACAAGTATATCCTAGACAATGGCAAGGTCCATCTGGGAAGCGGGATTTGGGTTGATGAG
GAGAAATGGCACCAGCTACAAGTTACCCAAGGAGATTCTAAGTACACGAAGAAGTGGCAGTCATGATCT
GGGGAACAGATGTTCTGAAAAACAGAAGTGTACAGGAGTCGCCACAAAAAAGAAAGGATGCAATCCC
AAAGCCACCCCTCTCCTCACAAGCTCAGCATCGTCAGAGAGTGTATATGACAGAATAGCACAAAGAA
ACGGTGGATGAAACGGAAATTGCACAGAGACTCTCAAAGTCAACAAGTACATCTGTGAGAAAATCATGG
ATATCAACAAATCTTGTA AAAATGAAGAACGAAGGAAGCAAAAATACAATTTGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203217 protein sequence
Red=Cloning site Green=Tags(s)

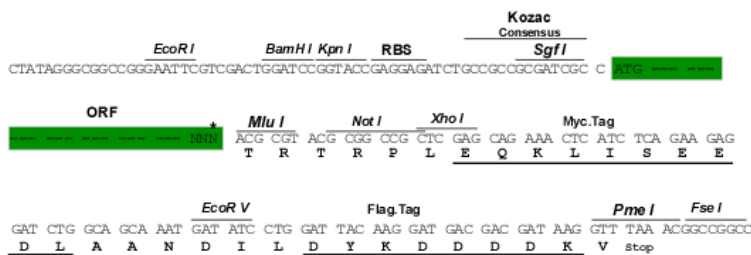
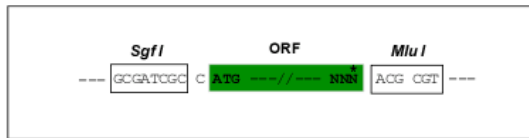
MDSLEDVAVPRALYEELLRNYQQQQEEMRHLQQELERTRRQLVQQAKKLKEYGALVSEMKELRDLNRRLQ
 DVLLLLRLGSGPAIDLEKVKSECLEPEPELRSTFSEEANTSSYYPAPAPVMDKYILDNGKVHLGSGI WVDE
 EKWHQLQVTQGD SKYTKNLAVMIWGTDLVKNRSVTGVATKKKKDAIPKPPLSPHKLSIVRECLYDRIAQE
 TVDETEIAQRLSKVNKYICEKIMDINKSCKNEERREAKYNLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC051512

ORF Size: 756 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: [BC051512](#), [AAH51512](#)

RefSeq Size: 930 bp

RefSeq ORF: 758 bp

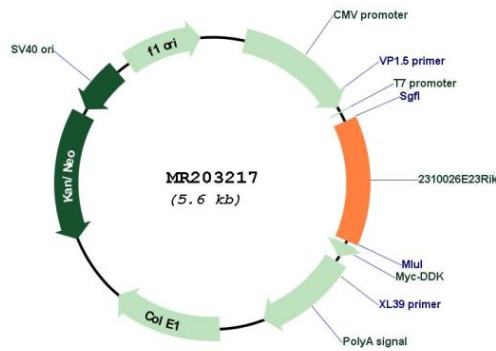
Locus ID: 67621

Cytogenetics: 4 D1

MW: 29.2 kDa

Gene Summary: Acts as a transcriptional repressor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203217