

## Product datasheet for MR203676

### 6530403A03Rik (BC021443) Mouse Tagged ORF Clone

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                               |
| Product Name:             | 6530403A03Rik (BC021443) Mouse Tagged ORF Clone                   |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | 6530403A03Rik                                                     |
| Synonyms:                 | 1110050F08Rik; 6530403A03Rik; C6orf151                            |
| Mammalian Cell Selection: | Neomycin                                                          |
| Vector:                   | pCMV6-Entry (PS100001)                                            |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                              |
| ORF Nucleotide Sequence:  | >MR203676 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGACCGAACCTCCTCTGGAAGAGCGCGTCGGCTCCAGGAGGAGCTGAGCGAGTTTGTGGAGA  
GCTGCTGCCGGACGCTGGAGGAGGTGACGGCGTCCCTGGGATGGAGCCTGGATCAGCTGGACCCCGGGGA  
CGAGGCGGAGGCCGAGGATGAAATCGCCATATGCCTTATGATTCCAATCATCGCATGCCAAATCATCA  
CTAACAAAGCACATGGAATCTTGCAGATTGAGGAACTGGGATATACCAAAGAGGAAGAGAATGAAATGT  
ACAATCCTACTTTTTCTATGAAAATTTGAAGATTCCTTCAGTTACTTTGAATAAGGATTCACAGTTCCA  
GATAATTAACAAGCTAGGACTACAGCTGGGAAAGATGGTGATTGTTATAGCCAGAGAATGATTCTTCA  
GTGCCTGTTGAAGTTCCTCTGAATCACAAACGATCTGTTTGTGACCTCACACAAATGGATCGCCTTGCC  
TGTATGATTTTGTCAATACCAAAAAATCATACACTGAGGTGATCCGGGATGTGATCAAGGTGCACATGGA  
GGAGCTGAGCAGCCACTGGCAGGAAGAGCAGGGGAGAGCAGGAGACGCTGCTGAGAAGAATGAAGAAAGG  
CGGTACGCTTCAGTAGATTCACGGCAGTCTGGTGGAAATTATTTGGATGTTGAAAGTTCACGACATAGAA  
GGGCTCGGAGTAGGAGCCACACAAACGAAAAAGAAATAAAGATAAAAGTTCTGAGTCAAGAAGAAGAAA  
AGAGAGGGATGGAGAAAGACATCATAGTCATAAAAAGAAGAAAGCAAAAAATA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203676 protein sequence  
Red=Cloning site Green=Tags(s)

METEPPPLEERRRLQEELSEFVESCRTLEEVTASLGWSLDQLDPGDEAEAEDEIAICPYDSNHRMPKSS  
 LTKHMESCRLRKLGYTKEEENEMYNPTFFYENLKIPSVTLNKDSQFQIIKQARTTAGKDGDCYSQRMYS  
 VPVEVPLNHKRSVCDLTQMDRLALYDFVITKKSYTEVIRDVIKVHMEELSSHWQEEQGRAGDAAEKNEER  
 RSASVDSRQSGGSYLDVRESSRHRARSRSPHKRKRNDKKSSESRRRKERDGERHHSHKRRKQKI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** BC021443

**ORF Size:** 822 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:** [BC021443](#), [AAH21443](#)

**RefSeq Size:** 987 bp

**RefSeq ORF:** 824 bp

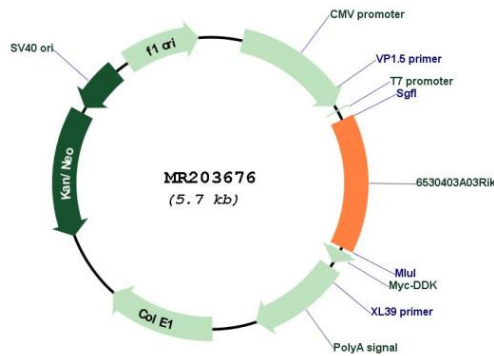
**Locus ID:** 67797

**Cytogenetics:** 13 A3.3

**MW:** 32.1 kDa

**Gene Summary:** Likely involved in U12-type 5' splice site recognition.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR203676