

## Product datasheet for MR203051

### Trp53rkb (NM\_023815) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trp53rkb (NM_023815) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trp53rkb
Synonyms:	2810408M09Rik; 4933401B08Rik; 5630401H01Rik; mNori-2p; Nori-2; PRPK; Tp53rk; Trp53rk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203051 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGCTGGTGTCTCCTCGGAGGCGGAGGCCGAGGCGCTGGCCGCGGCGCGAGCGGAGCCGCTTCC  
TGAGCGGCCTAGAGCTGGTGCAGCAGGGCGCCGAGGCGCGGTTTTCCGTGGCCGCTTCCAGGGCCGCGC  
GGCCGTGGTGAAGCACCGCTTCCGAAGAGTTACCGGCACCCGGAGCTGGAGGCGCGCTCGGCCGTCGG  
CGGACGGTGCAGGAGGCGCGCGCTGCTCCGCTGCCGCCGTGCGGGGATAGCTGCCCCAGTCGTCTTCT  
TTGTGGACTATGGTCTAACTGCTTATATATGGAAGAAATCGAAGACTCGGTGACTGTTCCGGATTATAT  
CCAATCCACTATGGAGACTGAAAAGGACCCCACTGCCTCTTGGACCTGGCCAGGAGGATGGGGCAGGTT  
CTGGCCGGAATGCACGACCAAGACCTCATTACGGGGACCTCACCACTCCAACATGCTCCTGAGGCGGC  
CCCTGGCGCAGCTGCACATCGTGCTCATCGACTTTGGGCTGAGCTTTGTCTCAGGACTGCCGGAAGATAA  
AGGCGTCGACCTCTATGTCCTGGAGAAGGCCTTCTCAGCACGCACCCCAACCCGAGACCGCGTTTGA  
GCCTTTCTGAAGAGTTACGGGGCCTCGTCCAAGAAGTCCAGTCCAGTGCCTGAAGAAGTTAGATGAGGTGC  
GCCTGAGAGGGCGAAAGCGGTCCATGGTCGGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203051 protein sequence  
Red=Cloning site Green=Tags(s)

MAGVSSEAEAEALAAARERSRLFLSGLELVQQGAEARVFRGRFQGRAAVVKHRFPKSYRHPELEARLGRR  
 RTVQEARALLRCRRAGIAAPVVFFVDYASNCLYMEEIEDSVTVRDYIQSTMETEKDPQCLLDLARRMGQV  
 LAGMHDQDLIHGDLTTSNMLLRPLAQLHIVLIDFGLSFVSGLPEDKGVLDLVLEKAFSLTHPHTETAFA  
 AFLKSYGASSKSSPVLKKLDEVRLRGRKRSMVG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_023815

**ORF Size:** 735 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\\_023815.4](#), [NP\\_076304.2](#)

**RefSeq Size:** 4413 bp

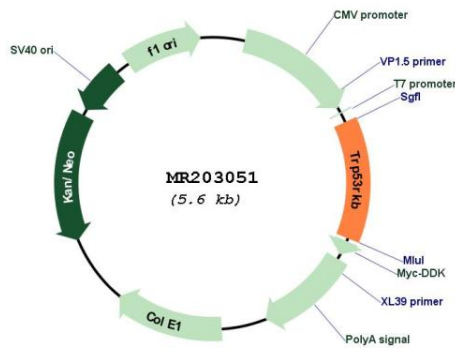
**RefSeq ORF:** 735 bp

**Locus ID:** 76367

**Cytogenetics:** 2 H3

**MW:** 27.4 kDa

**Product images:**



Circular map for MR203051