

## Product datasheet for MR203903

### Nrbf2 (NM\_001036293) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nrbf2 (NM_001036293) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nrbf2
Synonyms:	NRBF-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203903 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAAGTGATGGAAGGACCCCTCAACCTTGCTCACCAGCAGAGCCGCCGAGCAGACCGTTTGTTAGCTG  
CTGGGAAATACGAAGAGGCGATTTCTTGTACAGAAAGGCAACAACATATCTCTCTGAAGCCATGAAGCT  
GACCGAGTCTGAGCAGGCTCACTTATCACTGGAAGTCAAAGGGACGCCACATGAAACAGCTGCTTCTC  
ATCCAGGAGAGGTGGAAGAGAGCAAAGCGAGAGGAGCGGTTGAAAGCGCAGCAGACACGGAACGGGACG  
GAGCCCCCACCTGCAGGCACCTCCAGGCCCTCTGAGGATGCTGAAGGCCAGAGCCCTCTGCTTTCTCA  
GCCATACATCCCTTCCACAGAGAGGCGCCTCCCGAGGTGCAGGGGGTCTTTGACAGGGATCCAGACACA  
TTGCTGTTTTTACTTCAGCAAAAGAATGAGCCATCAGAGCCCTGTATTGGAAGCAAAGCCCCAAAAGATG  
ATAAACGATTATAGAGGAGCAGGCAACCAAAATAGCAGATTTGAAGAGGCATGTGGAGTTCCTTGTGGC  
TGAGAAATGAAAGATTAAGGAAAGAAAAATAACAGCTAAAGGCTGAAAAGGCCAGACTCCTGAAAGGCACA  
GCTGAGAAGGAACTGGACGTCGATGCAGACTTTGTAGAGAAGTCAGAGCTGTGGGGCTTACCTTCACACT  
CGGAATCCGCCGCTGCCTCTTCAACCTGGCAGAAGTTGCAGCTAACACGGGGAAAGCCAAGGACATTCC  
AATACCAACCTTCTCTCTGGATTTCCATCTCCAGAGCTTCTCTGATGGAGCTCTCGGAGGACATT  
CTGAAAGGATTCATGAATGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203903 protein sequence  
 Red=Cloning site Green=Tags(s)

MEVMEGPLNLAHQSSRRADRLLAAGKYEEAISCHRKATTYLSEAMKLTESEQAHLSELEQRDASHMKQLLL  
 IQERWKRAKREERLKAQQSTERDGAPHLQAPRPSEDAEQSPILLSQPYIPSTERRLPEVQGVFDRDPDT  
 LLFLLQQKNPSEPCIGSKAPKDDKTIIEEQATKIADLKRHVEFLVAENERLRKENKQLKAEKARLLKGT  
 AEKELDVDAADFVEKSELWGLPSHSESAASSTWQKFAANTGKAKDIPINLPLDFPSPELPLMELSEDI  
 LKGFMD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001036293

**ORF Size:** 864 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\\_001036293.2](#), [NP\\_001031370.1](#)

**RefSeq Size:** 1789 bp

**RefSeq ORF:** 864 bp

**Locus ID:** 641340

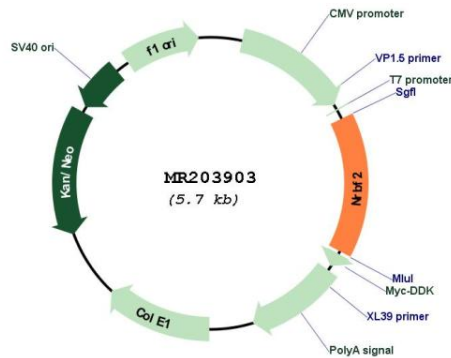
**UniProt ID:** [Q8VCQ3](#)

**Cytogenetics:** 10 B5.1

**MW:** 32.5 kDa

**Gene Summary:** May modulate transcriptional activation by target nuclear receptors. Can act as transcriptional activator (in vitro) (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR203903