

## Product datasheet for **MR207303**

### **C80913 (BC023029) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	C80913 (BC023029) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C80913
Synonyms:	Rmp, NNX3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207303 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTACCATTCGGCCCTTTCCTTCATGCCAGGAAACTAGTCCACACTAATGAAGTCACTGTTTAC  
 TTGGCGACAACACTGGTTTGCAAAGTGCTCAGCCAAGCAGGCTGTGGTTTTAGTTGAGCATCGGAAAGAACA  
 TGTAAGAAAAACAATAGATGATTTTAAAAAAGTGTGAAAAATTTGAATCCAGAGTTGAATTCACAGAA  
 GATTTGCAGAAGATGAGTGATGCTGCAGGTGATTTTGTGACATAAGAGAAGAAATTAAGTACTTTG  
 AATTTAAAGGAAAAACAACGAATTGCTCACAAACCTCATTCCAAACCAAAAACTTCAGATATTTTGAAGC  
 AGATTTTGAAGTGGTGTAAAACCCAAGGATACATTTGATGCTGATGAACTGTGGCTCGACTTGAAGAG  
 CTGGAGAGACAAGAAGAACTGCTGGGTGAACCTGAAAAGTAAACCTGATACTGTGATTGCAAATGGAGAAG  
 ACAGAGTGTCTTCTGAGGAGGAAAAGGAGGTGCAGACACAGGTGTAATGTGGTGTCTCCAGTGACAGA  
 CTCTCTGCCGCCAGCAGCTGTAAAAGCGTGTGAAAATGCAGGACTCCCTAATGGTCAAGTCAATAGT  
 CTGAACTATTCAGTGAATGGCTCAAATTTACCACAGCAACAAAGATGATGATGAAGAAGAAGATGACG  
 ATGATGATGATGATGATGAAGATGACGATAATGAAAGTGACCATGCTATTTTCAGCAGATAATTTCTATTCC  
 AACAAATATTTTCTCATACTGTTGAACCTAAAAGGGTTCGAATAAATACTGGGAAAAATACCACTTTA  
 AAGTTCAGTGAGAAGAAAGAGGAAGCCAACCGAAACGAAAGAGTGGTCCCGGCAGTCACGCTACCCACG  
 AGCTGCCTGCCATCAAGAGTCTGCTGATATTTACAGAGTCTTCGTGGATGTTGTGAATGGAGAATATGT  
 TCCTCACAAAGTCAATCCTCAAGTCTCGCAGCCGAGAGAACAGCGTGTGCAGCGACACAAGTGAGAGCAGC  
 GCTGCCGATGTGGAGGACCGCGGGGGCTCCTGCGGAGCACCAGCTCTGAGGAGGCCGTGGCTACCGAGG  
 CCGGCGGAGCAGTTTGGACGAACTCAAGAGAACCCCAAGAAAGCCTTTGCCCTCAGGAGTGTCTGA  
 GGCTTTTTCTGGAAGTGAATAGAAAAAGATTTTATCACCTCCCTAGCACCATACTCAGCCATTGCT  
 CACCATGCCCTCCCACCATTCAGAGCGAAAAGAAGTCCATCAGAAGTATCAGAGGAACCCACAAAGA  
 GGGTGTCAAAGTTCAGAGCTGCCCGATTGCAGCAGAGAAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207303 protein sequence  
 Red=Cloning site Green=Tags(s)

MVPFGPLAFMPGKLVHTNEVTVLLGDNWFAKCSAQAVGLVEHRKEHVRKTIDDFKVKLKNFESRVEFTE  
 DLQKMSDAAGDFVDIREIEIKSDFEFKQRIAHKPHSKPKTSDIFEADFENGVPKDTFDADELWARLEE  
 LERQEELLGELESKPDTVIANGEDRVSSEEEKEGADTGNNVSPVTDSSAASSCKRRAGNAGLPNGQVNS  
 LNVSVNGSNSYHSNKDDDEEEDDDDDDEDDNESDHAI SADNSIPTIYFSHTVEPKRVRINTGKNTTL  
 KFSEKKEEAKRKRKSGAGSHATHELP AIKSPADIYRVFVDVNGEYVPHKSILKSRSRENSVCSDTSESS  
 AADVEDRRGLLRSTSSEEAVATEAGGSSLEDELQENHPKPLPSGVSEAFSGTVIEKEFLSPLAPYSAIA  
 HHALPTIPERKEVPSEVSEPTKRVSKFRAARLQORS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



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

**ACCN:** BC023029

**ORF Size:** 1371 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:** [BC023029](#), [AAH23029](#)
**RefSeq Size:** 2462 bp

**RefSeq ORF:** 1373 bp

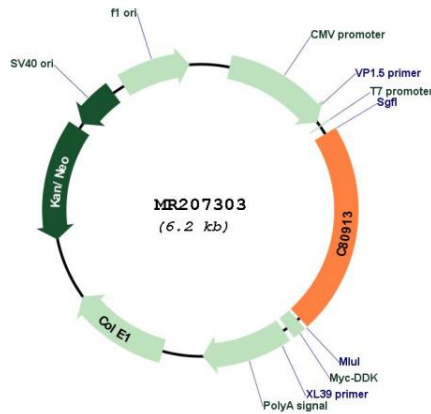
**Locus ID:** 19777

**Cytogenetics:** 7 B3

MW: 50.6 kDa

**Gene Summary:** Involved in gene transcription regulation. Acts as a transcriptional repressor in concert with the corepressor UXT to regulate androgen receptor (AR) transcription. May act as a tumor suppressor to repress AR-mediated gene transcription and to inhibit anchorage-independent growth in prostate cancer cells. Required for cell survival in ovarian cancer cells. Together with UXT, associates with chromatin to the NKX3-1 promoter region (By similarity). [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR207303