

Product datasheet for **MG207303**

C80913 (BC023029) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C80913 (BC023029) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C80913
Synonyms:	Rmp, NNX3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207303 representing BC023029
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTACCATTTCGGCCCTTTCCTTCATGCCAGGAACTAGTCCACACTAATGAAGTCACTGTTTTAC
 TTGGCGACAACACTGGTTTGCAAAGTGCTCAGCCAAGCAGGCTGTGGTTTTAGTTGAGCATCGAAAGAACA
 TGTAAGAAAAACAATAGATGATTTTAAAAAAGTGTGAAAAATTTGAATCCAGAGTTGAATTCACAGAA
 GATTTGCAGAAGATGAGTGATGCTGCAGGTGATTTTGTGACATAAGAGAAGAAATAAAAGTACTTTG
 AATTTAAAGGAAAAACAACGAATTGCTCACAAACCTCATTCCAAACCAAAAACTTCAGATATTTTTGAAGC
 AGATTTTGAAGTGGTGTAAAACCCAAGGATACATTTGATGCTGATGAAGTGTGGCTCGACTTGAAGAG
 CTGGAGAGACAAGAAGACTGCTGGGTGAAGTAAACCTGATACTGTGATTGCAATGGAGAAG
 ACAGAGTGTCTTCTGAGGAGAAAAGGAGGTGCAGACACAGGTGTAATGTGGTGTCTCCAGTGACAGA
 CTCTCTGCCGCCAGCAGCTGTAAAAGCGTGTGAAATGCAGGACTCCCTAATGGTCAAGTCAATAGT
 CTGAACTATTCAGTGAATGGCTCAAATTTACCACAGCAACAAAGATGATGATGAAGAAGAGATGACG
 ATGATGATGATGATGATGAAGATGACGATAATGAAAGTGACCATGCTATTTCCAGCAGATAATTTCTATTCC
 AACAAATATTTTCTCATACTGTTGAACCTAAAAGGGTTCGAATAAATACTGGGAAAAATACCACTTTA
 AAGTTCAGTGAGAAGAAAGGAAGCCAACCGAAACGAAAGAGTGGTCCCGGCAGTCACGCTACCCACG
 AGCTGCCTGCCATCAAGAGTCTGCTGATTTTACAGAGTCTTCGTGGATGTTGTGAATGGAGAATATGT
 TCCTCACAAAGTCAATCCTCAAGTCTCGCAGCCGAGAGAACAGCGTGTGCAGCGACACAAGTGAGAGCAGC
 GCTGCCGATGTGGAGACCGCGGGGGCTCCTGCGGAGCACCAGCTCTGAGGAGGCCGTGCTACCGAGG
 CCGGCGGGAGCAGTTTGGACGAAGTCCAAGAGAACCCCAAGAAAGCCTTTGCCCTCAGGAGTGTCTGA
 GGCTTTTTCTGGAAGTGAATAGAAAAAGAATTTTATCACCTCCCTAGCACCATACTCAGCCATTGCT
 CACCATGCCCTCCCACCATTCAGAGCGAAAAGAAGTCCATCAGAAGTATCAGAGGAACCCACAAAGA
 GGGTGTCAAAGTTCAGAGCTGCCCGATTGCAGCAGAGAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207303 representing BC023029
 Red=Cloning site Green=Tags(s)

MVPFGPLAFMPGKLVHTNEVTVLLGDNWFAKCSAKQAVGLVEHRKEHVRKTIDDFKKVLKNFESRVEFTE
 DLQKMSDAAGDFVDIREEIKSDFEFKQRIAHKPHSKPKTSDIFEADFENGVPKDTFDADELWARLEE
 LERQEELLGELESKPDTVIANGEDRVSSEEEKEGADTGVNVVSPVTDSSAASSCKRRAGNAGLPNGQVNS
 LNYSVNGSNSYHSNKDDDEEEDDDDDDDDDNE SDHAI SADNSIPTIYFSHTVEPKRVRINTGKNTTL
 KFSEKKEEAKRKRKSGAGSHATHELPAIKSPADIYRVFVDVVNGEYVPHKSILKSRSENSVCSDTSESS
 AADVEDRRGLLRSTSSEEAVATEAGSSLEDELQENHPKPLPSGVSEAFSGTVIEKEFLSPSLAPYSAIA
 HHALPTIPERKEVPSEVSEPTKRVSKFRAARLQORS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC023029

ORF Size: 1373 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

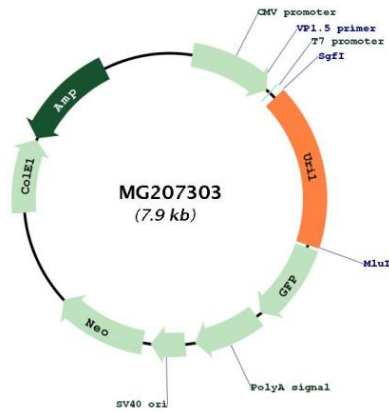
RefSeq ORF: 1373 bp

Locus ID: 19777

Cytogenetics: 7 B3

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 MG207303