

Product datasheet for **MR209861**

Nomo1 (BC033923) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nomo1 (BC033923) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nomo1
Synonyms:	pM5, MGC37454, MGC37848
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MR209861 representing BC033923
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGCATGAGGACTGGTGTCTGGAGGAACAAGAGTCTGGAAGTGAAGTGTCTGGAGGACGACGTGTCTGCGG
 TGGAGTTCAAGGACAGCCGTTACATGCTGCGCTGCGCACTCTCACACGCCATCACTCTGGAATTTATCA
 GGACGGAATGGCCCTGAAAATGTGGGGATTTACAATCTCTCCAGGGGAGTGAACCGCTTCTGCCTGTCC
 AAGCCTGGTGTGTACAAAGTGAATGCTCCCCGCTCTGCCACCGGTTTGAGCAAGCCTTTTACACCTATGACA
 CGTCTTACCCAGTATCCTGACGCTGACAGCCATTCTGACCATGTTCTTGAACAATCATTACTGACAA
 AATGATGGACGTACAGTGAATCAAGTCTTCCATCGACAGCGAGCCAGCCTTGGTCTTGGGACCTCTG
 AAGTCTGCACAGGAGTGGGAGGGAACAGCAGCTGGCAGAGATCGAGACTCGCAGGCAGGAGAGGGAGA
 AGAATGGCAAAGAAGAGGGCGAAGAAGGCAGGGCCCGCCTCTGGGCAGGAGATGGTGGATGAGTTACA
 GGGCCCCCTTCTCTACGACTTCTCTACTGGGCCCGGTCTGGAGAGAAAATCACTGTTACACCCTCGTCC
 AAAGAGCTCCTCTTTATCCCCCATCCATGGAAGCCACTGTCACTGGAGAAAGCTGTCCAGGGAAGTTAA
 TTGAGATCCATGGGAAGGCGGGCTTGTCTGGAAGGCCAGATTCACCCAGAGCTGGAGGGAGTCGAGAT
 TGTATCAGCGAGAAGGGAGCAAGTTCACCCTTGATCACTGTCTTACCGATGACAAAGGTGCCTACAGT
 GTTGGTCCCCTACACAGTGACCTGGAGTATACTGTGAAGTACAGAGAGGGGCTACGTGCTGACTGCCG
 TGGAAGGAACCGTGGGAGACTTCAAGGCTTATGCCTTGGCCGGCGTGAGCTTCGAGATTAAGCTGAAGA
 CGACAGCCGCTCCCTGGGGTCTCTTATCCCTCAGTGGTGGCGTGTTCGTTCCAACCTCTGACCCAA
 GACAACGGCATTCTGACTTTCTCAAACCTGAGCCCTGGACAGTACTACTTTAAACCATGATGAAGGAGT
 TCCGCTTTGAGCCATCCTCACAGATGATAGAAGTGCAGGAGGGGCAGAACCTGAGGATCACCATCACTGG
 CTTTCGAAGTGCCTACAGCTGTACGGCACTGTGTCGTCTTTAAATGGAGAGCCAGAGCAGGGTGTGCGG
 GTGGAGGCTGTGGGGCAGAAAGACTGCAGCATCTATGGAGAAGACACGGTGACAGACGAGGAGGGGAAGT
 TCCGGTTACGTGGGCTGTGCCAGGGTGCATGTACACGTGCAGCTGAAGGCAGAAGGCAATGACCACAT
 CGAGCGGGCGCTGCCCCACCACCGGGTATTGAGGTTGGGAACAATGACGTGGATGACGTAACATCATA
 GTTTTCCGGCAGATCAACAGTTTGACCTGAGTGGAAACGTAATCACTTCTCCGAGTATCTGTCTACCT
 TGTGGTGAAGCTGTACAAAAGCGAGAGTCTCGACAACCCATCCAGACGGTGTCTCTGGGCCAGTCGCT
 CTTCTTCACTTCCACCGCTGCTCCGAGATGGCGAGAACTATGTGGTGTCTGACACACGCTCCCC
 AGATCCCAGTACGACTACGTCTGCCGCAAGTCTCTTCACTGCAGTGGGCTACCACAAGCACATCACTC
 TGGTTTTCACTCCACGAGGAAGCTCCCTGAACAAGACATTGCGCAGGGGTCTATATTGCCTGCCTCT
 GACGCTGTGCTCTGTGGCGGGCTACAACATGACAAGCTCATTCTTTGCTGTGCTGACGTGACGAGT
 CGTCTTCAGGGAGTCAGAGCCCTTGGCCAGGCGGCCTCTGACAGCAGCGGCCAGAGACATGAAGAGAC
 AAACCAAGAAACAGAAGACCAGACGCACG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209861 representing BC033923
 Red=Cloning site Green=Tags(s)

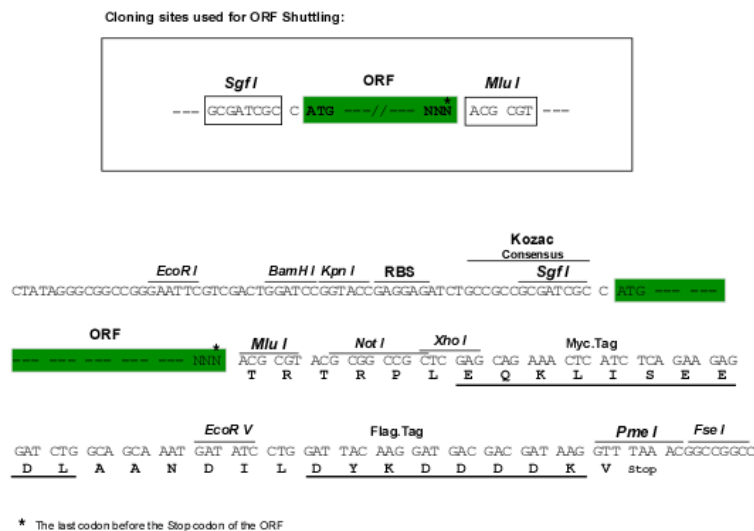
MHEDWCWRNKSLEVEVLDDVSAVEFRQTGYMLRCALSHAITLEFHQDGNPENVGIYNLSRGVNRFCLS
 KPGVYKVTPRSCHRFEQAFYTYDTSSPSILTLTAIRHHVLGTIITDKMMDVTVTIKSSIDSEPALVLGPL
 KSAQELRREQQLAEIETRRQEREKNGKEEGEGRARPPGQEMVDELQGPFSYDFSYWARSGEKITVTPSS
 KELLFYPPSMEATVSGESCPGKLEIIEHGKAGLFLEGQIHPELEGVEIVISEKGASSPLITVFTDDKGAYS
 VGPLHSDLEYTVNSQKEGYVLTAVEGTVGDFKAYALAGVSFEIKAEDDQPLPGVLLSLSGGVFRSNLLTQ
 DNGILTFSNLSPGQYYFKPMMKEFRFEPSSQMIEVQEGQNLRTITGFRATAYSCYGTVSSLNGEPEQGV
 VEAAGQKDCSIYGEDTVTDEEGKFRRLGLLPGCMYHVQLKAEGNDHIERALPHHRVIEVGNDVDDVNI
 VFRQINQFDLSGNVITSSEYLSLWVLYKSESLDNPIQTVSLGQSLFFHFPLLRDGENYVLLDTTLP
 RSQYDYVLPQVSFTAVGYHKHITLVFSPTRKLPQEQDIAQGSYIALPLTLLLLLAGYNHDKLIPLLLQLTS
 RLQGVRLGQAASDSSGPEDMKRQTKKQKTRRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC033923

ORF Size: 1989 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC033923.1](#)

RefSeq Size: 2861 bp

RefSeq ORF: 1991 bp

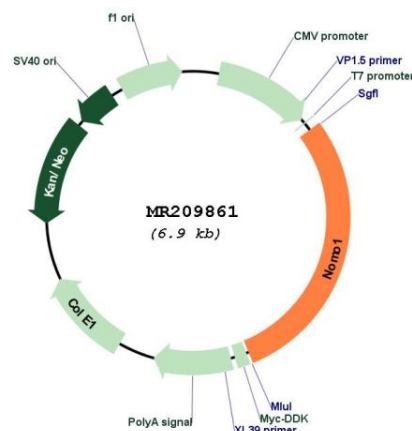
Locus ID: 211548

Cytogenetics: 7 29.66 cM

MW: 73.9 kDa

Gene Summary: May antagonize Nodal signaling.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209861