

## Product datasheet for MC224059

### Nid1 (NM\_010917) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nid1 (NM_010917) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nid1
Synonyms:	A630025O17; entactin; entactin-1; Nid; nidogen-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224059 representing NM_010917 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCTGGACGCGAGCGGCTGTAGTTGGCGATGTGGACGTGGCGCTGTTGCAGCTGCTGCTACTAGTGG  
GGCCCGGAGGCTGCCTGAATCGCCAGGAGCTCTCCCTTCGGCCCTGGGCGAGGGGACCTAGAGCTGGA  
GGCCGGGACGACGTGGTATCCCTCCCTGGAAGTATCGGAGAACTGAGCTTCTATGATCGTACGGAC  
ATCACGTCGGTCTATGTCACCACAAATGGTATCATCGCCATGAGCGAACCCAGCCACAGAATACCATC  
CCGGAACCTCCACCCAGCTTCGGCTCAGTAGCGCTTTCCTGGCTGACTTGGACACAACCGATGGCCT  
GGGGAATGTGTATTATCGAGAAGACTTATCCCGTTTATTATTCAGATGGCAGCAGAGTATGTCCAGAGA  
GGCTTCCCGGAGGTCTCTTTCCAGCCACTAGTGTGGTGGTTGTCACTTGGGAATCTGTGGCCCTTATG  
GAGGGCCAGCAGCAGCCCTGCCGAGGAAGGCAAGAGAAACAGTTCCAGGCTGTCTGGCTCCTCAA  
TTCCAGCTCCTATGCCATTTTCTTTATCCTGAAGATGGTCTACAGTTCTTTACAACATTCTCGAAGAAG  
GATGAAAGCCAAGTACCTGCTGTGGTGGTTTTCAGCAAAGTCTAGTAGGATTTCTATGGAAGAGCAACG  
GAGCCTATAACATATTTGCCAATGACAGAGAATCAATTGAAATTTGGCTAAGAGCAGCAACGCTGGCA  
CCAGGGTGTGTGGTGTGGATTGAGATTGGAAGTCCGCTACCGCAAGGGCGTGGTGTCTGCAGATGTGAAC  
CTGGACCTGGACGACGATGGAGCAGACTATGAAGATGAAGATTATGACCTAGTAACCTCTCACCTTGGCC  
TGGAGGATGTAGCCACTCCCTCCCTCCACAGTCCAAGAAGGGGATACCCTGACCCACACAATGTACC  
TAGGATCTCTCTCTGGCTATGAGGCTACAGAGAGACCCGTTGGAGTCCCACTGAGAGGACCAGATCT  
TTCCAGCTGCCAGCGGAGAGGTTCCCTCAGCATCACCCAGGTCATTGATGTGGATGAAGTAGAGGAAA  
CAGGAGTTGTATTCAGCTACAACACAGGTTCCAGCAGACTTGTGCCAACAATAGACACCAGTGTCCGT  
GCATGCAGAGTGCAGAGACTATGCTACTGGCTTCTGCTGCAGGTGTGGCCAACACACAGGCAATGGC  
AGACAGTGCCTGGCAGAAGGCTTCCACAACGGTCAATGGCAAGGTGAAGGGAAGGATCTTCGTGGGA  
GCAGCCAGGTCCCGTGGTGTGGTGGAGAACTGACCTGCACTCCTATGTGGTGTGAACACGGGCGCTC  
TTACACAGCCATCAGCACCATCCCTGAAACCGTGGCTACTCTGCTCCCTGGCACCCATTGGAGGC  
ATCATCGGATGGATGTTTGCAGTGGAGCAGGATGGGTTCAAGAATGGGTTAGCATCACTGGGGCGAGT



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TTACCCGCAAGCTGAGGTGACCTTCTGGGGCACCCAGGCAAGCTGGTCTGAAGCAGCAGTTCAGCGG  
TATTGATGAACATGGACACCTGACCATCAGCACGGAGCTGGAGGGCCGCGTGCCGCAGATCCCCTATGGA  
GCCTCGGTGCACATTGAGCCCTACACCGAACTGTACCACTACTCCAGCTCAGTGATCACTTCTCTCCA  
CCCGGGAGTACACGGTGATGGAGCCTGATCAGGACGGCGCTGCACCCTCACACACCCATATTTACCAGTG  
GCGTCAGACCATCACCTCCAGGAGTGTGCCACGATGACGCCAGGCCAGCCCTGCCAGCACCCAGCAG  
CTCTCTGTGGACAGCGTGTGGTCTGTACAACAAGGAGGAGGATCTTGGCCTATGCCCTCAGCAACT  
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TGACAGCAATGCTGCCTGTGCCCCTGGCCCTGGAACACAGTTACCTGCGAATGCTCCATCGGCTTCCGA  
GGAGACGGGCAGACTTGCTATGATATTGATGAGTGTTGAGAGCAGCCTTCCCGCTGTGGAAACCATGCGG  
TCTGCAACAACCTCCCAGGAACCTTCCGCTGCGAGTGTGTAGAGGGCTACCACTTCTCAGACAGGGGAAC  
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CAGCGAGCCAGTGCATCTATATGGGTGGTCTCTCTACACCTGCTCCTGTCTGCCTGGCTTCTCTGGG  
ATGGCAGAGCCTGCCGAGACGTGGATGAATGCCAGCACAGCCGATGTACCCCGATGCCTTCTGCTACAA  
CACACCAGGCTCTTTCACATGTCAGTGAAGCCTGGCTATCAGGGGGATGGCTTCCGATGCATGCCCGGA  
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AGCGGCCACCCCTGCAGGGGATGTTGTACCTCAGTGTGATGAATATGGACACTATGTACCCACCCAGTG  
TACCACAGCACTGGCTACTGCTGGTGTGTGGACCGAGATGGTCGGGAGCTGGAGGGTAGCCGTACCCCA  
CCTGGGATGAGGCCCCCGTGTCTGAGTACAGTGGCTCCTCCTATTACCAGGGACCAAGTAGTACCTACAG  
CTGTCAATCCCCCTGCCTCCAGGGACACACTTACTCTTGTCTCAGACTGGAAGATTGAACGCCTGCCCT  
GGAGAGAAACACCATGAAGAAGACAGAAGCAAGGCCCTTCTCCATATCCCTGCAAAAGTCATCATTGGA  
CTGGCCTTTGACTGCGTGGACAAGGTGGTTTACTGGACAGACATCAGCGAGCCTTCCATTGGGAGAGCCA  
GCCTCCACGGTGGAGAGCCAACCACCATATTCGACAAGATCTTGAAGCCCTGAAGGCATTGCCCTTGA  
CCATCTTGTGCGAACCATCTTCTGGACGGACTCTCAGTTGGATCGAATAGAAGTTGCAAAGATGGATGGC  
ACCCAGGCCCGAGTGTGTTGACACGGGTTTGGTGAATCCAGAGGCATTGTGACAGACCCCGTAAGAG  
GGAACCTTTATTGGACAGATTGGAACAGAGACAATCCCAAAATTGAGACTTCTCAGATGGATGGACCAA  
CCGGAGGATTCTCGCACAGGACAACCTGGGCTTGCCTAATGGTCTGACCTTTGATGCATTCTCATCTCAG  
CTTTGCTGGTGGATGCAGGCACCCATAGGGCAGAATGCCTGAACCCAGCTCAGCCCGGCAGACGCAAA  
TTCTCGAAGGGCTCCAGTATCCTTTCGCTGTGACTAGCTATGGGAAGAATTTGACTACACAGACTGGAA  
GACGAATTCAGTGATTGCCATGGACCTTGTATATCCAAAGAGATGGATACCTTCCACCCACACAAGCAG  
ACCCGGCTATATGGCATACCATCGCCCTGTCCCAGTGTCCCAAGGCCACAATTACTGCTCAGTGAATA  
ATGGTGGATGTACCCACCTCTGCTTGCCACTCCAGGGAGCAGGACCTGCCGATGCTCTGACAACACCT  
GGGAGTTGACTGCATTGAACGGAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_010917

**Insert Size:**

3738 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_010917.2](#), [NP\\_035047.2](#)

**RefSeq Size:** 6046 bp

**RefSeq ORF:** 3738 bp

**Locus ID:** 18073

**UniProt ID:** [P10493](#)

**Cytogenetics:** 13 5.26 cM

**Gene Summary:** Sulfated glycoprotein widely distributed in basement membranes and tightly associated with laminin. Also binds to collagen IV and perlecan. It probably has a role in cell-extracellular matrix interactions.[UniProtKB/Swiss-Prot Function]