

## Product datasheet for **MC202583**

### Nid2 (NM\_008695) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nid2 (NM\_008695) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nid2  
**Synonyms:** AW547149; entactin-2; Ly111; NID-2; nidogen-2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC054746 sequence for NM\_008695  
 CTGGCGGGCAGTGTGGCCCGCAGAGACTTGCAGAGTGGAGGGCAGAGCCAGGGAGGAGTGAAGCATGTTTC  
 GGGACCCGACAGCCGGGTGGCTAACACCCGCATACCCGCTATCGTGCTGGTATGCTGTTGCTGCTGTC  
 GCGAGTCGGGGCTCTGCGTCCCGACGAGCTCTTTCCCTTACGGGGAGTCTGGGGAGACCAGCTGCTGCCG  
 GAGGGCGACGACGAAAGCTCAGCAGCTGTGAAGCTGGCAATACCCTGCGTTTTCTACGATGCCAGTTCA  
 GCAGCCTCTACGTGGGCACCAACGGCATCATCTCCACCCAGGACTTCCCCAGGGAGACTCAATATGTAGA  
 TGATGATTTTTCTACTGACTTCCAGCCATCGCCCTTTCTGGCTGACATCGACACTAGTCACAGCAGG  
 GGCCGGATCCTGTACCGCGAGGACACCTCCGGAGCTGTGCTGAGCCTGGCTGCCCGCTACGTGGCCTG  
 GCTTCCCCTGTCGGGGTCCAGCTTACCCCCACCCACGCCTTCTGGCCACCTGGGAGCAGTGGGCGC  
 CTACGAGGAGTCACTCGCGGGCTGCGCCGTGAGGAGCTGAACACTTCCAGGCTGTTCTGGCATCC  
 GATGAATCTGATACCTACGCCCTTTCTACCCCTGCCAATGGCCTTCAGTTCTTTGGAACCCGCCCA  
 AAGAGTCTACAATGTCCAGCTGCAGCTTCCCGCTAGGGTGGGCTTCTGCCGAGGGGAAGCGGACGACCT  
 GAAGAGAGAAGCACTGTATTTACGCCTGACTAACACCCGAGCAGTCTGTGAAGAATCTCTACCAGTAAGC  
 AACCTGGGGATTCTGGAGTGTGGGCTTTTACATCGGCAGCAGGTTTGCCTGGACAATGTCCGTCCAG  
 CCACAGTTGGAGGTGACCCTTCCACAGCCGTTTCTCAGCACTGGAGCACCCCTTACGCCATGCTGCAGC  
 CCTGGAGAGCTACACCGAGGACAGTTTCCATTACTACGATGAGAATGAAGAGGATGTTGAGTACCCACCA  
 GTTGAACCGGGGAGGCCCGGAAGGCCACAGCAGAATTGATGTGTCTTTCAATCAAAGGCTGATCCAG  
 GCCTTGTGGACGTCGGCACCTCATCTCCAGGTTCCGACCGGCTTCTCCTTGGCCATATCCAGCACCTGG  
 TAACTGGCCATCTACCGGAAACAGAATCGGCTTCTTTGGACCCCAAACCAACAGGGGCGCCGGTG  
 GGAGAGGGAGAGGTTCTGGATTTACAGGACCCAGCGGAGCTTTTGGACCAGATGGGTACCAGAGCCCCAG  
 CTCTCCAGAGGAGATGCACTCTCCTAACTCCAGTCAACGAAGACCTTGGGGGAGAAACACCCAGTC  
 CTATCCAGAGGAGGCCAGTGCCTTCCAGGCCAGATGTTCTGTCCCTCTGGAAGGAGAAGTCCCTT  
 CCTCATTACCCCGAGTCTGGTACGTTCCGCCCTGAGAGGAGGGAAGTATGTGATAGGACTGGAGGACC  
 ACGTGGGATCTAATGATCAAGTCTTACGTATAATGGCGCAACCTGGAAACCTGCGAACACAGCCACGG  
 CCGGTGCTCCAGCATGCCTTCTGCACCGACTACACCACTGGCTTTTGTGCCACTGCCAGTCGAGGTTT  
 TACGGAACGGGAAGCACTGCCTGCCAGAAGGGGCACCTACCGAGTGAATGGGAAAGTGAAGTGGTCCGC  
 TCCGAGTGGGTACATTCTGTGCACTTACTGACGTGGATCTACACGCTTACATCGTGGGCAATGATGG



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CAGAGCCTACTGCCATCAGCCATGTCCACAGCCGGCAGCCAGGCCCTGCTCCCTGTCTGCCATT  
 GGAGGTCTGTTTGGCTGGCTCTTTGCTTTGGAGAAGCCAGGCTCTGAGAAATGGCTTCAGCCTCACAGGTG  
 CTACCTTTGTCCATGACGTGGAAGTCACTTTTACCCTGGAGAGGAGAGGGTTTCGTATCACTCAAAGTGC  
 CGAGGGGCTTGACCCAGAAAATCTGAGCATTAAAGACCAACATTGAAGGCCAGGTGCCCTTATCCCA  
 GCGAATTTACAGCCACATTACTCCGTACAAAGATTTTATCATTACAGGGACTCAGTCGTGACGTCTC  
 CCAGTTCGCCGAAGTTTCTCTCACTTCTGGTTCTATTAACCAAACGTGGTCTACCACATTGACCAGAA  
 CATCACTTACCAGCGTGCAGGCACGCCCCAGACACCTGGCCATCCCTGCCACCCAGGCTGACTGTC  
 GACCGGGCTTTGCTTTGTACAGTGAGGATGAGGGCGTGTGAGGTTTGTGTGACCAATCAGATTGGCC  
 CTGTTGAAGTGGACTCAGCCCCTGTTGGAGTGAATCCTTGCTACGACGGAAGCCACACCTGTGACACAAC  
 AGCAAGGTGCCACCCGGGAACAGGTGTAGACTACACCTGCGAGTGCACGCCTGGTTCCAGGGTGACGGA  
 CGGAGCTGTGGATGTCAATGAGTGTGCCACTGGCTTCCACCGCTGTGGCCCTAATTCTGTGTGTCA  
 ACTTGGTGGGAAGCTACAGGTGTGAATGCCGAGTGGCTATGAATTTGCAGATGACCAGCACACTGTAT  
 CTTGATCGCCCCACCTCCAACCCTTGCCTCGATGGCAGTACACCTGTGCCCTGAGGGGAAGCCAGG  
 TGCATTACCATGGAGGCAGCTCATTAGTTGTGCTGCCTGCCAGGCTTATTGGCACTGGGCATCAGT  
 GTTCTGATGTTGATGAATGTGCGAAAACCGATGTCATGAGGCAGCTATCTGCTACAATACCCCCGGGTC  
 TTCTCCTGCCGTTGCCAGCCTGGGTATCGAGGGGACGGGTTTCACTGCACCTCTGACACGGTTCGGAA  
 GATTCCATCTCAGGACTGAAGCCCTGTGAATACCAGCAGCGCTATGCTCAGACACAGCACGCTACCCCTG  
 GGTACGGATCCACATCCCCAGTGTGATGACCAGGAAACTTCGTGCCACTGCAGTGCACGGCAGCAC  
 TGGCTTCTGCTGGTGTGTGGACCGAAAATGGCCACGAAGTCCCTGGCACGCAGACTCCACCCGGCTCCACC  
 CCGCCCCACTGTGGACCCTCCAGAGCCACCCAGAGGCTCGGACTGTCTGTGAGCGTTGGCGGGAAA  
 GCCTGTGGAACACTACGGAGGCACACCCAGGGATGACCAGTATGTGCCCAAGTGTGATGACCTGGGCA  
 CTTATCCCCCTGCAGTGCCATGGAAAGAGTATTCTGTTGGTGTGGACAAGGATGGCAGAGAGCTA  
 CAGGGCACGCGCTCACAGCCAGGCACACGCGCTGCATGCATACCCACCGTCGCTCCACCCGTTCCGGC  
 CCACACCCCGGCCGATGTGACTCCTCCATCTGTGGGCACCTTCTGCTCTATGCCAGGGCCAACAGAT  
 TGGCCACTTGCCCTCAATGGCAGCAGGCTTCAAGAGCAGCAGCCGGACCCTGCTGCTACTGCATGGC  
 TCCATAGTTGTGGGATTGACTATGACTGCCGGGAGAGGATGGTCTACTGGACAGACGTTGCTGGTCGGA  
 CCATCAGCCGTGCCAGCTTGGAGGCAGGAGCCGAACCCGAGACCATTACCTCAGGTTTGATAAGCCC  
 GGAAGGACTTGCCATCGACCACTCCGTAGAACAATGTACTGGACAGATAGTGGCCTGGATAAGATAGAG  
 CGGGCCGAAGTGGATGGTTCCGAGCGGAAAGTCTCTTCCACACAGATCTGGTGAATCCACGAGCCATCA  
 CTGTGGATCCAATCCGAGCAACTTGTACTGGACAGACTGGAATAGAGAAGCTCCTAAAATTGAAACATC  
 ATCTTTAGATGGCGAAAACAGAAGGATTCTGATCAACAAAGATATTGGATTACCCAATGGATTGACCTTT  
 GACCCCTTCTCCAAACTGCTCTGCTGGGCAGATGCAGGAACCAAAAAAAGTGGAGTGTACACTACCCGATG  
 GAACTGGACGACGTGTATCCAAAACCACTCAATTACCCCTTACGATCGTCAGCTATGCAGATCACTT  
 CTACCACACGGACTGGCGGAGGGATGGTGTATATCAGTGAATAAGGACAGTGGCCAGTTTACTGATGAG  
 TTTCTCCTGAGCAGCGGTCTACTCTATGGGATCACTGCAGTCTACCCGACTGTCCAACAGGAAGAA  
 AATGAACACTAAATGTATAGGAGGATTTCAAGTTTACAAGAACTTGTCTAAGAATATTTGCTACGAAG  
 GCAAAGACAGTGGAAAAGGAATTGGCCATTATGAGCTCTTGGCACACAAGTGAGCATTTCAGTGCAGTG  
 AGACTCAAGTATATTTTGTGAAATGTATACCTCAATCTTACTACTGTATTTTTAAAAACAAAGGTTATC  
 ACAAGTTTAAAAATAGAATTTAATCATTGCTTATTAATCAACTTTTGTAAACAGTTATTTAAAAGGCCA  
 AATTCATTCAACATAGAACCAATGAGAGCAAAGCACTAAATCTGATTTTTGTTTGGCATGGATTCTACC  
 TGGCCAAGAAAAGTAAAGCAAACAGATGGCTATGAGAAGTATTCTGAAAGCCACTGAGGCCCGCCACA  
 GACGGACCATGGGGTGGCCAGCGAAGTCTCAGACTTTATTTATACTAAGGTGCTACAAAGAGTCCCC  
 AAGTGCCTCTACAGAAGTATCCCTCAAAAGTACTCCGGTAAAACACCAAAAGATGCAGCAGTTCTTCAAT  
 TTTCTATATAATTCCAATAAAATATTTTAAAGCTTTAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Ascl-NotI  
**ACCN:** NM\_008695  
**Insert Size:** 4212 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC054746</a> , <a href="#">AAH54746</a>
<b>RefSeq Size:</b>	4885 bp
<b>RefSeq ORF:</b>	4212 bp
<b>Locus ID:</b>	18074
<b>UniProt ID:</b>	<a href="#">O88322</a>
<b>Cytogenetics:</b>	14 A3
<b>Gene Summary:</b>	Cell adhesion glycoprotein. Might be involved in osteoblast differentiation. It probably has a role in cell-extracellular matrix interactions.[UniProtKB/Swiss-Prot Function]