

Product datasheet for RN205786

Nid2 (NM_001012005) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nid2 (NM_001012005) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nid2
Synonyms:	NID-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN205786 representing NM_001012005 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTTGGGACCCGACAGCCGGGGCTGGCACC GCCATCACCGCTATCGCTGCTCCTGGTGCTGGTGC
TGCTGTACAGAGTCGGGGCTCTGCTCCTGAAGAGCTTTTCTTACGGGGAGTCGTGGGAGACCGACT
GCTGCCGAGGGTGACGATGAAAGCTCAGCGGCTGTGAAGCTAGCAGTACCTCTACGCTTCTACGATGCC
CAGTTTCAGCAACCTCTAGTGGGCACCAACGGCATCATCTCCACCCAGGACTTCCCAGGGAGACTCAAT
ATGTAGATGATGATTTTCTACTGACTTCCCAGCCATCGCCCCATTCTGGCTGACATCGACACTAGTCA
CAGCAGGGGCCGGATCCTGTACCGCGAGGACACCTCCCAGGCTGTGCTGAGTCTGGCTGCCCGCTACGTG
CGCACAGGCTTCCCGCTGACCGGTCCAGCTTCAACCCCTACCCACGCCTTCTGGCCACCTGGGAGCACG
TGGGCGCCTATGAGGAGGTGAGGCGGGGGCTGCGCCATCCGGAGAGCTGAACACTTCCAGGCCGTTCT
GGCATCCGATGAGTCTGATACCTACGCCCTTTTCTCTATCCTGCCAATGGTCTTCAGTTCTTTGGAAC
CGCCCCAAGAGTCCACAATGTCCAGCTGCAGCTTCTGCCAGGTGGGCTTCTGCCGAGGGGAAGCAG
ACGACCTGAAGAGAGAAGCGCTGATTTTACGCTGACTAACACTGACAGTCCGTTGAAGAATCTCTACCA
ACTAAGCAACCTGGGATTCTGGAGCGTGGGCCTTTACATCGGCAGCAGGCTGGCCCTGGACAATGTC
CGGCCAGCCACAGTTGGAGGTGACCATTCCACAGCCCGCTCCTCAGCGCTGGAGCACTCCTTCAACCATG
CTGCAGCCCTGGAGAGCTATACTGAGGACAGTTTCGATTACTACAATGAGAATGAAGAGGATGTAGAATA
CCCACCCATTGAACCAGGGGAGGCCCTGGAAGGCCACAGCAGAATCGATGTGCTTTCAATTGAGAGGTT
AATCCCACGTCTCAGATTCTGATCAGCTTCTCCTTTGCCACACCCAGCACCTGGTAACTGGCCATCCT
ACCGGAAACAGAATCGGCTTCTTTGGACCCTCAAACCAACAGGGGCCACCTGTGGGAGAGGTAGAGGT
CCTGGATTTCAAGGACCCAGCAGAACTTTGGATCAGACGGGCACCAGAACCCAGCTCCTCCAGGGGCA
GATGCAGCTTTCTAACTCCAGGCAGGGAAGACCTTGGGAACAGAGACACCCAGTCTATCCAGAGGCAC
GGCCAGTGCCTTTCAGAGCCAGATGTTCTGTCGCTCCTCTGAAAAGAGAAATCCTTCTAATTACCCCGA
GTCTGGTACGTGCCACCCCTGAGTGGAGGGAGGTATGTGGTAGGACTGGAGGACCAGTGTGATCTAAA
GATCAAGTCTTCACTTACAATGGCGCAACCGGAAACCTGTGAACACAGCCACGGCCAGTGTCCCGGC



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ATGCCTTCTGCACCGACTACACCACTGGCTTTTGTGCTGCCACTGCCAGTCTAGGTTTTATGGAAACGGGAG
 GCACTGCGTGCCAGAAGGGGCGCCTCACCGAGTGAATGGGAAGGTGAGTGGCCATCTCCAAGTGGCCAC
 ATGCCTGTGCACTTACGGATGTGGATCTACACGCTTACATCGTGAGCAATGACGGCAGAGCCTACACTG
 CCATCAGTCAGATCCCGCAGCCCGCAGCCAGGCCCTCCTCCCTGTCTGCCATCGGAGGCTGTTTGG
 CTGGCTCTTTGCTTTGGAGAAGCCAGGCTCTGAGAATGGCTTCAGCCTCACAGGAGCTACCTTTGCCAT
 GATGTGGAAGTCACTTTTACCCTGGAGAGGAGAGAGTTCGATCACTCAAACCCGCCGAGGGCTTGACC
 CAGAACTATCTGAGCCTTAACACCAACATCGAAGGCCAGGTGCCCTTTATCCCAAGCAAATTTACAGC
 CCACATTGCTCCGTACCAAGAGTCTATCATCACAGAGACTCAGTCGTGACATCCTCCAGCTCCCGAAGT
 TTCTCCCTCATTCTGGTTCTATCAACCAAACCTCGGTCTACCGCATCGACCAGAACATCACTTACAAGG
 CGTGCACTCATGCCCCAGACACCTGGCCGTCCCTGCCACCCAGCAGCTGACTGTGGACCGGGCCTTTGC
 TTTGTACAGTGAGGAGGAGGGCGTGTGAGGTTTGCCTGACCAATCAGATTGGCCCTGTGAAAGTGGAC
 TCGGCCCTACTGCAGTGAATCCTTGTATGACGGGAGCCACACCTGTGACACAACAGCAAGGTGCCACC
 CGGGGACGGGTGTGGACTACACCTGCGAGTGCACGCCGGTTCAGGGTACGGACGGAGCTGTGTGGA
 TGTTAATGAGTGTCCACTGGCTCCATCGCTGCGGCCCAATTCTGTGTGTCAACTTGGTGGGAGC
 TACAGGTGCGAGTGCCGACGCGCTATGAATTCGACAGTACCGGCACACTTGTGTCTTGATCGCCCCAC
 CTCCCAACCTTGCTGGATGGCAGTACACCTGTGCCCTGAGGGGACGGCCCGGTGCATTACCATGG
 AGGCAGTTCGTTCACTGTGCCTGCCTGCCCGGCTTTGTTGGCACCGGGACCAAGTGTCTGATGTTGAC
 GAATGTGCGGAAAACAGATGTCATGGGGCAGCCATCTGTTACAATACCCCGGGTCTTCTCCTGCCGT
 GCCAGCTGGGTACCACGGGGACGGGTTTCACTGCGCCTCTGACACAGTTCAGAAAGATTCATCTCAGG
 ACTGAAACCTGTGAATACCAGCAGCGCTATGCCAGGCACAGCATGCCACGCTGGGTACGGATCCAC
 ATCCCCAGTGCAGCAGCAGGGAACTTTGTGCCGTGCAGTGCATGGCAGCACTGGCTTCTGCTGGT
 GTGTGGACAAAATGGCCATGAAGTCCCTGGCACCCAGACTCCACTGGTCCACTCCGCCCCACTGTGG
 ACCACTCCAGAGCCACCCAGAGGCCCTGGACAGTCTGTGAGCGCTGGAGGAAAAGCTGCTGGAACAC
 TACGGGGGCACACCCAGGGACGACAGTATGTGCCCCAGTGTGACGACCTGGGCCAATTCATCCCTGTC
 AGTGTACGGGAAGAGTATTTCTGTTGGTGTGTGGACAAGGATGGCAGAGAATTCCAGGCACCCGCTC
 CCAGCCAGGCACCATGCCTGCATGCATACCCACTGTGCCCCACCCGTGGTCCGGCCACACCCCGGCT
 GATGTGACTCCTCCGGCTGTGGGCACCTTCTGCTCTATGCCAGGGCCAGCAGATCGGTCACTTGGCCC
 TCAATGGCAGCAGGCTTCCAGAAGGATGCAGCCAGGACCTGCTGTCACTACATGGCTCCATAGTCGTGG
 GATTGACTATGACTGCCGGGAGAGGATGGTCTACTGGACAGAGCTTGGCCGGAGGACCATCAGCCGTGCC
 AGCTTGGAGGCAGGAGCCGAACCCGAGACCATATTACCTCAGGTCTGATAAGCCAGAAGGACTTGCCA
 TCGACCACTTCCGAGAACGATGTACTGGACAGACAGCGCCTGGATAAGATAGAGCGGGCTGGACTGGA
 CGGTTCCGAGCGTAAGGTCTTCCACACAGATCTGGTGAATCCACGAGCTATCACTGTGGATCCAATC
 CGAGGCAACTTGTACTGGACAGACTGGAATAGAGAAGCTCCTAAAATTGAAACATCATCTTTAGATGGTG
 AAAACAGAAGAATTCTGATCAACAAAGATATTGGATTACCAATGGATTGACCTTTGACCCCTTCTCAA
 ACTTCTCTGTGGCAGATGCAGGAACCAAAAACTGGAGTGTACACTACCTGATGGAATGGACGCCGC
 GTCATCCAAAACCACTCAATTACCCCTCAGTGTGTGTCAGTTACGCGGATCACTTCTACCACACGGACT
 GGCGGAGGGATGGTGTATATCAGTGAGTAAAGACAGTGGCCAGCTTACTGATGAGTATCTTCTGAACA
 CGCTCTCACCTCTATGGCATCACTGCAGTCTATCCCTACTGTCCAACAGGAAGAAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001012005

Insert Size:

4191 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:	<ol style="list-style-type: none">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:	<u>NM_001012005.2</u> , <u>NP_001012005.2</u>
RefSeq Size:	4782 bp
RefSeq ORF:	4191 bp
Locus ID:	302248
UniProt ID:	<u>B5DFC9</u>
Cytogenetics:	15p16
Gene Summary:	Cell adhesion glycoprotein. Might be involved in osteoblast differentiation. It probably has a role in cell-extracellular matrix interactions (By similarity).[UniProtKB/Swiss-Prot Function]