

Product datasheet for **SC115561**

Nidogen 2 (NID2) (NM_007361) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nidogen 2 (NID2) (NM_007361) Human Untagged Clone
Tag:	Tag Free
Symbol:	Nidogen 2
Synonyms:	NID-2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_007361, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGGGGACCGGGTGGCCGGGCGGCCGGTGTCTGTCGTTACCACTGCTACTGCTGCTGCCGTTGC
TAATGTTGCGGGCCGCGCTGCACCCAGACGAGCTCTCCACACGGGGAGTCGTGGGGGACCACT
CCTGCAGGAAGGCGACGACGAAAGCTCAGCCGTGGTGAAGCTGGCGAATCCCCTGCACCTTACGAAGCC
CGATTCAGCAACCTCTACGTGGGCACCAACGGCATCATCTCCACTCAGGACTTCCCAGGGAAACGCAGT
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GCGCTTACGAGGAGGTCAAGCGCGGGGCGCTGCCCTCGGGAGAGCTGAACACTTCCAGGCAGTTTTGGC
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CAGCCCTGGAAAGTGACTATAATGAGGACAATTTGGATTACTATGATGTGAATGAGGAGGAAGCTGAATA
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TGGCCACCTCCACGTGGGCCATACACCCGTGCACTTCACTGATGTGGACCTGCATGCGTATATCGTGGGC
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_007361 unedited
 NTTGTCAAATTTGTATACGACTCACTATAGGCGCCGCGNATTCGGCACGAGGCGTTGTG
 CAGCGGGTAAGCGCACGGCCGAGCGAGCATGGAGGGGACCGGGTGGCCGGGCGGCCGGT
 GCTGTCGTCGTTACCACTGCTACTGCTGCTGCAGTTGCTAATGTTGCGGGCCGCGGCCGT
 GCACCCAGACGAGCTCTCCACACGGGGAGTCGTGGGGGACCAGCTCCTGCAGGAAGG
 CGACGACGAAAGCTCAGCCGTGGTGAAGCTGGCGAATCCCCTGCATTCTACGAAGCCCG
 ATTCAGCAACCTCTACGTGGGCACCAACGCATCATCTCCACTCAGGACTTCCCCAGGGA
 AACGCAGTATGTGACTATGATTTCCCCACCGACTTCCCGCCATCGCCCTTTTCTGGC
 GGACATCGACACGAGCCACGGCAGAGGCGAGTCTGTACCGAGAGGACACCTCCCCCGC
 AGTGTGGGCTGGCCGCCGCTATGTGCGCGTGGCTTCCCGCCTCTGCGCGCTTTAC
 CCCCACCCACGCCTTCTGGCCACTGGGAGCAGGTAGGCGCTTACGAGGAGGTCAAGCG
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 CAAAGAGTCTTACAATGTCCAGCTTCAGCTTCCAGCTCGGGTGGGCTTCTGCCGAGNGA
 GGCTGATGATCTGAAGTCAGAAGACCATATTTACGTTGACTAGCACTNNGACAGTCTG
 TGAATCTCTATAACTAAGCACCTGNGGATCCCTGGAGTGTGGGCTTCTATCGCACC
 TTTTCCCGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_007361 unedited
 NGTTTGATGTAAAATTCTGTATTGAAGCGTGTCTTTTCNATAAAACAGATGCAGTTCTT
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 AAAATCAACGAAGCCATAGTAGCTGTTCAAGCAATTATTGCTGATCCAAAGACAGACCAC
 AGACTGGGAAAAGTTGGAAGATGAACACTTGAGGACTTCAGTCTCACCTACTTAGTAC
 AGTTGGGAACCATACTTCTGGCATGTTTGGAAATCAAATGTCACATTCTCGGGGGAG
 GAAGCCCAGAAAATTGGGTATGTTCTAGAGATTACCACCATTGCTTATTGCTTTTTTCT
 TTAATAAAGTTTAGGAAAGTAGAATTTTTATTATGACTGTATGTTTGCATAAATCACCT
 TTCTCCTTTGTGGTTAAGGCATATATGCCAACCCAGCTTTGCTCAGAGACAATATAG
 ATCCTTAAGTCATAGGAAAACCTTAAACACTTTATTGGAGTAATCTAGAAAATTTAAAA
 TTGTTACATCTTTGTTATTTATAAATGTGATACTTTACTTTCTGTGGTACTTCTATAGA
 GGCACTACAGGATCAGAAAATGCAAAATGAATCATTNTAGCACCTTTTGTATAAATAGA
 AATGCACTGATGCAGAGGTAAAAATCTTAGAATTTTGTGGGAACTATAAATAATTG
 GTCCTTTCCATTCACTGCTGCTTCTNCACTGTCAAGGTTTAGGATTATATTGTT
 ATATTGATCACATGTGCTTTATTTCTGGGCCAGAGGATCCATGGCAAATCAGGTTTA
 GAGTCTTAACCTAATTCTTATTGAATGAAATTGATCTTTAATATTAATGATAATGTTT
 ACAGAAGTTGCTTTATAAGCACAGTTAAATTCTGTA

Restriction Sites:

NotI-NotI

ACCN:

NM_007361

Insert Size:

5650 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_007361.2](#), [NP_031387.2](#)

RefSeq Size: 5065 bp

RefSeq ORF: 4128 bp

Locus ID: 22795

UniProt ID: [Q14112](#)

Cytogenetics: 14q22.1

Domains: Idl_recept_b, thyroglobulin_1, EGF_CA, NIDO, EGF, EGF, G2F

Protein Families: Druggable Genome, Secreted Protein

Gene Summary: This gene encodes a member of the nidogen family of basement membrane proteins. This protein is a cell-adhesion protein that binds collagens I and IV and laminin and may be involved in maintaining the structure of the basement membrane.[provided by RefSeq, Jun 2010]