

Product datasheet for **SC109646**

Nudel (NDEL1) (NM_030808) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nudel (NDEL1) (NM_030808) Human Untagged Clone
Tag:	Tag Free
Symbol:	Nudel
Synonyms:	EOPA; MITAP1; NDE1L1; NDE2; NUDEL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC109646 sequence for NM_030808 edited (data generated by NextGen Sequencing)

```

ATGGATGGTGAAGATATACCAGATTTTTCAAGTTTAAAGGAGGAAACTGCTTATTGGAAG
GAACCTTTCCTTGAAGTATAAGCAAAGCTTCCAGGAAGCTCGGGATGAGCTAGTTGAATTC
CAGGAAGGAAGCAGAGAATTAGAAGCAGAGTTGGAGGCACAATTAGTACAGGCTGAACAA
AGAAATAGAGACTTGCAGGCTGATAACCAAAGACTGAAATATGAAGTGGAGGCATTAAAG
GAGAAGCTAGAGCATCAATATGCACAGAGCTATAAGCAGGTCTCAGTGTTAGAAGATGAT
TTAAGTCAGACTCGGGCCATTAAGGAGCAGTTGCATAAGTATGTGAGAGAGCTGGAGCAG
GCCAACGACGACCTGGAGCGAGCCAAAAGGGCAACAATAGTTTCACTGGAAGACTTTGAA
CAAAGGCTAAACCAGGCCATTGAACGAAATGCATTTTTAGAAAAGTGAACCTTGATGAAAAG
GAATCTTTGTTGGTCTCTGTACAGAGGTTAAAGGATGAAGCAAGAGATTTAAGGCAAGAA
CTAGCAGTTCCGGAAAGACAACAGGAAGTAACTAGAAAAGTCGGCTCCTAGCTCTCCAAC
CTAGACTGTGAAAAGATGGACTCCGCCGTCCAAGCATCACTTTCTTTGCCAGCTACCCCT
GTTGGCAAAGGAACGGAGAACACTTTTCCTTACCAGAAAGCTATACCAAATGGTTTTGGT
ACCAGTCCACTAACTCCCTCTGCTAGGATATCAGCACTAAACATCGTGGGGGATCTCTTA
CGGAAAGTAGGGGCTTTAGAAATCCAAATTAGCAGCTTGCAGGAATTTTGCAAAGGACCAA
GCATCACGAAAATCCTATATTTTCAAGGAATGTTAACTGTGGGGTGTCTGAATGGCAATGGC
ACAAAGTTCTCTCGATCAGGGCATAACATCTTTCTTCGACAAAAGGGGCAGTAAACGGCTTT
GACCCCGCTCCTCCTCCTGGTCTGGGCTCCTCGCGTCCATCGTCAGCGCCGGGTATG
CTGCCTCAGTGTGTGA

```

Clone variation with respect to NM_030808.3



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_030808 unedited</p> <pre>TTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTCGGACACCCAGGC AGTCCCTGACGTGTCGGGGAGGAGCCGGGCGGGAGGTACGCTGAGTGGAGCTCGGGCT GCGTAGGGGAGCTGAGCCGAGCGCTGGGCGGGCTGGCCGGCCAGCGGAGGGGAGACG TCGGTTGAGCGGCGGCAACATGCGCTTTTGACACATTGGAGGCTTTCTTGATCATGGAT GGTGAAGATATACCAGATTTTTCAAGTTTAAAGGAGGAAACTGCTTATTGGAAGAACTT TCCTTGAAGTATAAGCAAAGCTTCCAGGAAGCTCGGGATGAGCTAGTTGAATCCAGGAA GGAAGCAGAGAATTAGAAGCAGAGTTGGAGGCACAATTAGTACAGGCTGAACAAAGAAAT AGAGACTTGCAGGCTGATAACCAAAGACTGAAATATGAAGTGGAGGCATTAAAGGAGAAG CTAGAGCATCAATATGCACAGAGCTATAAGCAGGTCTCAGTGTTAGAAGATGATTTAAGT CAGACTCGGGCCATTAAGGAGCAGTTGCATAAGTATGTGAGAGAGCTGGAGCAGGCCAAC GACGACCTGGAGCGAGCCAAAAGGGCAACAATAGTTTCACTGGAAGACTTTGAACAAAGG CTAAACCAGGCCATTGAACGAAATGCATTTTTAGAAAAGTGAAGTGTGAAAAGGAATCT TTNGTTGGTCTCTGTACAGAGTTAAAGGATGAAGNCAGAGATTTAGGGCAGAACTAGCA GTTCCGGAAAAGACACAGGAAGTACTAGAAAAGTCGGCTCTAGCTCTNCACTCTAGACTG TGAAAGATGGACTNCGCGTCCAGCATCACTTTCTTTGCAGCTACCCCTGTTGT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_030808 unedited</p> <pre>CTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCTTTTTTTCTGTGAAATTTATTGTTTCCAC ATTAAGAATTTTTTTTGGAGGAAGTATTTTTTGTAAACCACATGATCCTATACAGCT GCCAGAGGAGGACACCATCAGAGTCATTAACATGCCGTATGCGTTCTGAATAAATAAAA GCTACAAAGCCCAAGTTATATAACAATATCTCAGGCAATAATGTTTACAAACCTATGTAC AATAAAACAAATGTAACAGTAAATGCAGCATGAGAGTAATCAAAGGATGCACAGGGACA GCCGCCGTGTTAGTCCACCCCGAGCTGGCACCGGCCACCCTGGAACCCAGCCACTCA CCCTTCTAACACAACCGGACGGCCCTTGGAAAGAAAAACAAAACACTCCAAAGATGTC GTTGAACTGAAGGACGGGAAGGCTGGCGAGAGGCTGCCCGCTCCCTCACCCGAGTCTG AGGCGCACAGAGGAGGAGACAGCACAGAGGCTGGGCTGTGTGTGCCCGTCCCAGAGGC TCCTGCCACGTGGGGCTCAGACGGGCATTGTGCTGCTCTGGGAGGCAAGTCCATGGAATG GTANCTGCTTAAGTAAATCAGAGGTGCAGAANNATGTCCTAATCAGTACCTTCTGACT CTTGCCAGAACAGGCCAAACTGTGAGGGTGGNAGTGGGGACACATGATCATGAGCCTGG AGATGCAATGTCTAAACACACTAATCCTATANTACANAAAGTGGGGCTATGGNGCAN GTGTGATGATGGTACTTCTGCATCAGTGACCAGTATACAGTTGTATCACCTGCGACCA AAAGTGCATCATGGGACCACGGCTACGGAGAGAGAATNCCGATTGATCGGCAAGTCCGG GCTGGCAGNCCATANCGCATGATCANCTGCTTTTACCAGGGGAGAACGAGGCCAGGCTG CCANACCAGGGGAGG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_030808
Insert Size:	2350 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_030808.3](#), [NP_110435.1](#)

RefSeq Size: 2385 bp

RefSeq ORF: 1038 bp

Locus ID: 81565

UniProt ID: [Q9GZM8](#)

Cytogenetics: 17p13.1

Domains: NUDE_C

Gene Summary: This gene encodes a coiled-coil protein that plays a role in multiple processes including cytoskeletal organization, cell signaling and neuron migration, outgrowth and maintenance. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome X. [provided by RefSeq, Mar 2012]
Transcript Variant: This variant (2) lacks an exon in the 3' coding region, compared to variant 1. The encoded isoform (B) is longer and has a distinct C-terminus, compared to isoform A.