

NDEL1 cDNA

Catalog Number: ATGD0365

PRODUCT INFORMATION

Catalog number

ATGD0365

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001020750.1

Alternative Names

EOPA, MITAP1, NDE1L1, NDE2, NUDEL

mRNA Refseq

NM_001025579.2

OMIM

607538

Chromosome location

17p13.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

987bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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NDEL1 is 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.

DATA

Sequence nucleotides

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ATGGATGGTGAAGATATACCAGATTTTTCAAGTTTAAAGGAGGAACTGCTTATTGGAAGGAACTTTCCTTGAAGTATAAGC
AAAGCTTCCAGGAAGCTCGGGATGAGCTAGTTGAATTCCAGGAAGGAAGCAGAGAATTAGAAGCAGAGTTGGAGGCACAA
TTAGTACAGGCTGAACAAAGAAATAGAGACTTGCAGGCTGATAACCAAAGACTGAAATATGAAGTGGAGGCATTAAAGGAG
AAGCTAGAGCATCAATATGCACAGAGCTATAAGCAGGTCTCAGTGTTAGAAGATGATTTAAGTCAGACTCGGGCCATTAAGG
AGCAGTTGCATAAGTATGTGAGAGAGCTGGAGCAGGCCAACGACGACCTGGAGCGAGCCAAAAGGGCAACAATAGTTTCA
CTGGAAGACTTTGAACAAAGGCTAAACCAGGCCATTGAACGAAATGCATTTTTAGAAAGTGAAGTGGTGAAGGAATCTT
TGTTGGTCTCTGTACAGAGGTTAAAGGATGAAGCAAGAGATTTAAGGCAAGAACTAGCAGTTCGGGAAAGACAACAGGAAG
TAACTAGAAAGTCGGCTCCTAGCTCTCAACTCTAGACTGTGAAAAGATGGACTCCGCCGTCCAAGCATCACTTTCTTTGCC
AGCTACCCCTGTTGGCAAAGGAACGGAGAACACTTTTCCTTCACCGAAAGCTATACCAAATGGTTTTGGTACCAGTCCACTA
ACTCCCTCTGCTAGGATATCAGCACTAAACATCGTGGGGGATCTCTTACGGAAAGTAGGGGCTTTAGAATCCAAATTAGCAG
CTTGCAGGAATTTTGCAAAGGACCAAGCATCACGAAAATCCTATATTTAGGGAATGTAACTGTGGGGTGCTGAATGGCAA
TGGCACAAAGTTCTCTCGATCAGGGCATACTCTTCTCGACAAAGGGCAAGAAAAAGTCATATTTCCACGTTGTTTCATG
GGGCAGTAA
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Transaction Sequence

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MDGEDIPDFS SLKEETAYWK ELSLKYKQSF QEARDELVEF QEGSRELEAE LEAQLVQAEQ RNRDLQADNQ RLKYEVEALK
EKLEHQYAQS YKQVSVLEDD LSQTRAIKEQ LHKYVRELEQ ANDDLERAKR ATIVSLEDGE QRLNQAIERN AFLESELDEK
ESLLVSVQRL KDEARDLRQE LAVRERQQEV TRKSAPSSPT LDCEKMDSAV QASLSLPATP VGKGTENTFP SPKAIPNGFG
TSPLTPSARI SALNIVGDLL RKGVALESKL AACRNFAKDQ ASRKSYSISGN VNCGVNLNG TKFSRSGHTS FFDKGQEKVI
FPTLFMGQ
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