

Product datasheet for RC208815

NDNL2 (NSMCE3) (NM_138704) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDNL2 (NSMCE3) (NM_138704) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NDNL2
Synonyms:	HCA4; LIC5; MAGEG1; MAGEL3; NDNL2; NSE3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208815 representing NM_138704 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTTGCAAAACCGAGGAACCGGGGCCGCTCTGGCGGCCAGGCCGAGAGGGACAGAGACTGGAGCCATA
 GCGGAAACCCCGGGGCTTCGCGGGCCGGGAAGACGCCCGGGTTCTCAGAGACGGCTTTGCCGAGGAGGC
 CCCGAGCACGTCCCGCGGGCCGGCGGCTCGCAGGGTTCGAGGGCCCTCGCCTCAGGGCGCCCGCGG
 GCCCAGGCGCCCCCGCGTGGGGCCAGGAGCCAGAAGCAGCTGGAGCTGAAAGTGTCCGAGCTGGTGC
 AGTTCTTGCTGATTAAAGACCAGAAGAAGATTCCGATCAAGCGGGCCGACATACTGAAGCACGTCATCGG
 GGACTACAAGGACATCTTCCCGACCTCTTCAAACGGGCCCGGAGCGCCTCCAGTACGTCTTCGGGTAT
 AAGCTGGTGGAACCTTGAACCCAAGAGCAACACTTACATCCTCATCAACACCCTGGAGCCTGTGGAGGAGG
 ATGCCGAGATGAGGGGTGACCAAGGCACGCCACTACGGGCTCCTGATGATCGTCTTAGGGCTCATCTT
 TATGAAGGGCAACACCATCAAGGAACTGAAGCCTGGGACTTTCTGCGGCGCTTAGGGTCTACCCACC
 AAGAAGCATTTAATTTTCGAGATCCAAGAACTCATTACTGAGGACTTTGTGCGACAGCGTTACCTGG
 AATACGGCGGATACCCACACCGACCCGTCGACTACGAATTCAGTGGGGCCCGCAACCAACCTGGA
 AACCAGCAAGATGAAAGTTCTTAAGTTTGTGGCAAGGTCCATAATCAAGACCCAAGGACTGGCCAGCG
 CAGTACTGTGAGGCTTTGGCAGATGAGGAGAACAGGGCCAGACCTCAGCCTAGTGCCCGAGCTCCATCCT
 CT

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC208815 representing NM_138704
 Red=Cloning site Green=Tags(s)

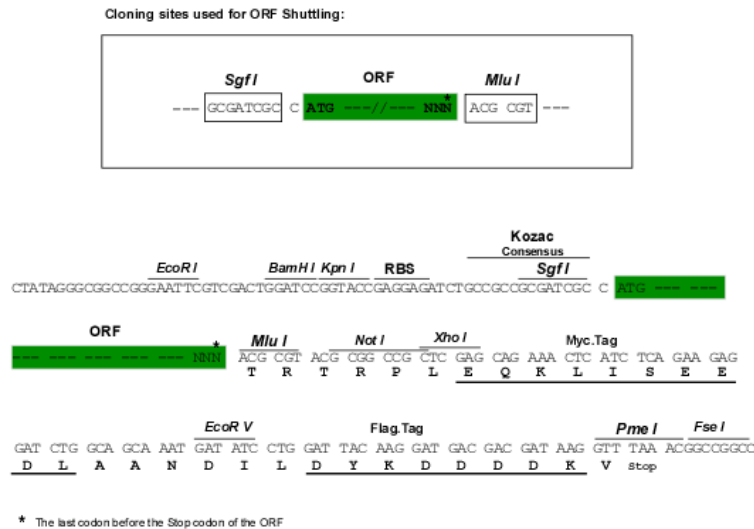
MLQKPRNRGRSGGQAERDRDWSHSGNPGASRAGEDARVLRDGF AEEAPSTRGPGGSQGSQGPSPQGARR
 AQAAPAVGPRSQKQLELKVSELVQFLLIKDQKKIPIKRADILKHVIGDYKDI FPDFLKRAAERLQYVFGY
 KLVELEPKSNTYILINTLEPVEEDAEMRGDQGTPTTGLLMIVLGLIFMKGNTIKETEAWDFLRRLGVYPT
 KKHLIFGDPKKLITEDFVRQRYLEYRRIPTHDPVDYEFQWGPRTNLET SKMKVLKFVAKVHNQDPKDWPA
 QYCEALADEENRARPQPSGPAPSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8113_h07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138704

ORF Size: 912 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_138704.4](#)

RefSeq Size: 1748 bp

RefSeq ORF: 915 bp

Locus ID: 56160

UniProt ID: [Q96MG7](#)

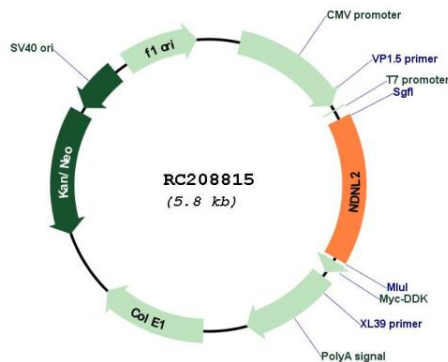
Cytogenetics: 15q13.1

Domains: MAGE

MW: 34.3 kDa

Gene Summary: The protein encoded by this gene is part of the SMC5-6 chromatin reorganizing complex and is a member of the MAGE superfamily. This is an intronless gene. [provided by RefSeq, May 2011]

Product images:



Circular map for RC208815