

Product datasheet for **MR215946**

Ndor1 (NM_001082476) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ndor1 (NM_001082476) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ndor1
Synonyms:	4930447P04Rik; Ndor; NR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR215946 representing NM_001082476
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGGTTCCACAGCTCCTGGTCTTTTCGGCAGCCAGACTGGTACAGCCAGGACGAGGCCGAGAGGC
 TGGGCCGTGAGGCCCGGCCCGCGGCTAGGTTGCCCGTGCAGGCTTTGGACTTACTCCGTGGCGAA
 TCTCATTAGGAGCCCTGGTATATTTGTTTGTGCGACCACAGGCCAAGGAGACCTCCTGACAACATG
 AAGAACTCTGGAGGTTCAATTCGGAAGAGCCTGCCGTCCAGCTCCCTCTGTCAAATGGATTTGCTG
 TCCTAGGCCTCGGGATTCTCATATGCCAAGTCAACTTTGGCCAAGAAGCTACATCGTAGGCTGCT
 GCAGCTAGGAGGCAGTGCCTTCTGCCCATGTCTGGGTGATGACCAGCATGAGCTGGGCCTGATGCT
 GCCATTGACCCCTGGGTAGGAGATCTTTGGGAGAAGATAATGGTTATGTACCCAGTACCCCTTGACATTC
 CTGAGATTCCTCATGGAGTCCCCTTGCCTCCAAGTTCATCTTTCAGTTTCTTCAGGAGTCCCCAGCAT
 AGGGGCTGAGGAGCTCAACATAGCCAGCTCAGCCCTCAGACACCCCATCAGAGTTACAGCCCTTCTCTG
 GCACCTGTGATACCAACAGAGGGTCACTGGCCCAACACTTTCAGGATGTTCCGGCTGATTGAATTTG
 ACATTACAGACTCCAATATCAGCTTTGCTGCTGGTGTATTTGATTTTGCCTCTAACTCGGAGGC
 CCACCCAGCAGTTCTGCCAAGTGTGTGCCTGGACCCCAATCAGTTTTTACACTTAAGCCACGGGAA
 CCAGGTGTCCCTGACCCACCAGGCTGCCTCAGCCCTGTACTGTGTGGAACCTCGTGTCCAGTACTTGG
 ACATTGCCAGTGTGCCCCGCCGTTCTTCTTTGAGCTCCTGGCTGTCTCTCCAACATGCGCTGGAGCG
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 ACCTAATCCCTCGGATCCGCCACGGCCCTTCTCCATTGCTTCTCCCTACTGGCTCATCCAGCTTTGG
 ACAGATCCTTGTGGCTGTGGTAAAGTACCAGACTCGTCTGAAGGAGCCCCGCCATGGTCTCTGCTCCTCC
 TGGCTAGCATCCCTGAATCCTGGCAAGCAGGACCTGTCCGGGTGCCTCTGTGGGTACGTCTGGGAGCC
 TCGTGTCCCAAAAACACCAGACACACCCATTATCATGGTGGGGCTGGAAGTGTGTGGCCCCCTTCCG
 AGCAGCCATTGAGAACGAGTGGCTCATGGCCAACTGGAAGTCTTGTCTTTGGCTGCCGCCAGCGG
 GATCAGGACTTCTACTGGCAGACTGAATGGCAGAAGCTAGAGCAGAAGGGCTGGTGACCCTGGTTACAG
 CCTTCTCCGGGAGCAGGAGCAGAAGGTATATGTGCAGCACCGGCTTCGAGAGCTGGGGCCACTGTCTG
 GGAGCTGTGGATGGCAAGGTGCCTACTTCTACCTAGCAGGCAATGCTAAATATTTGCCTACGGATGTT
 TCGGAAGCCCTTATGTCCATTTTCAAGAAGAAGGACACTCTCCACTGCAGATGCATCTGCCTACCTTG
 CTAGGCTCCAGCAGACTGCGCTTCCAGACTGAAACCTGGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215946 representing NM_001082476
 Red=Cloning site Green=Tags(s)

MQVPQLLVLFQSQTGTAQDEAERLGREARRRRLGCRVQALDSYSVANLIREPLVIFVCATTGQGDPPDNM
 KNFWRIFFRKSLPSSSLCQMDFAVLGLGDSSYAKFNFAKKLHRRLLQLGGSALLPPCLGDDQHELGPDA
 AIDPWVGLWEKIMVMPVPLDIPEIPHGVPVPSKFIQFLQEVPSIGAEELNIASSAPQTTPSELQPFLL
 APVITNQRVTGPQHFQDVRLEIFDITDSNISFAAGDVVFILPSNSEAHTQQFCQVLCCLDPNQFFTLKPRE
 PGVPDPPGLPQPCTVWNLVSQYLDIASVPRRSFPELLACLSQLALEREKLELSSARGQEELWEYCSRPR
 RTILEVLCDPHTAGAIPPDYLLDLIPRIRPRAFSIASSLLAHPRLQILVAVVKYQTRLKEPRHGLCSS
 WLASLNPQAGPVRVPLWVRPGSLVFPKTPDTPIMVGAGTGVAPFRAAIQERVAHGQTGNFLFFGCRQR
 DQDFYQTEWQKLEQKGLTLVTAFSREQEYVYVQHRLRELGPLVWELLDGQGYFYLAGNAKYLPTD
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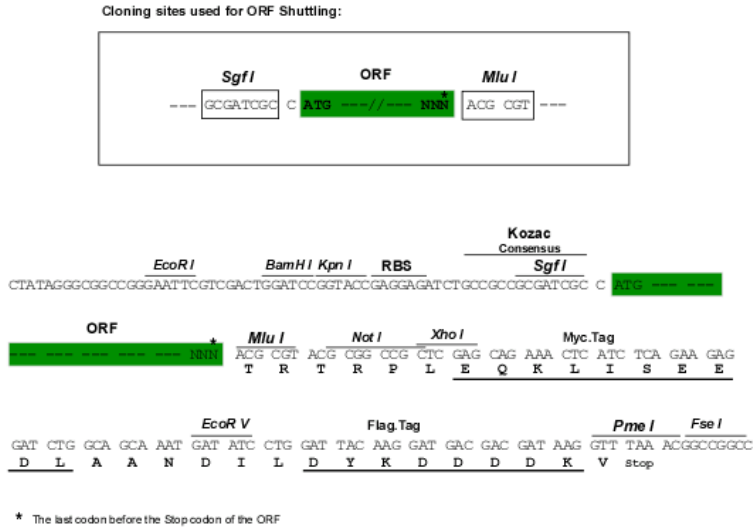
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9080_a06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001082476

ORF Size: 1794 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.

RefSeq: [NM_001082476.2](#), [NP_001075945.1](#)

RefSeq Size: 4757 bp

RefSeq ORF: 1797 bp

Locus ID: 78797

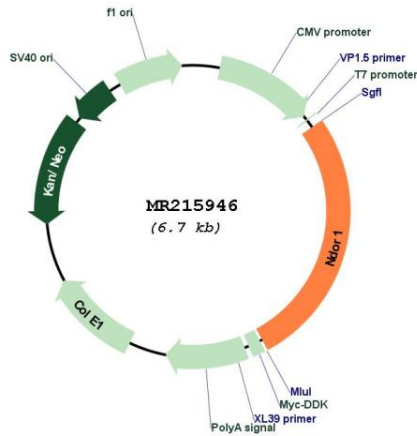
UniProt ID: A2AI05

Cytogenetics: 2 A3

MW: 67.2 kDa

Gene Summary: Component of the cytosolic iron-sulfur (Fe-S) protein assembly (CIA) machinery. Required for the maturation of extramitochondrial Fe-S proteins. Part of an electron transfer chain functioning in an early step of cytosolic Fe-S biogenesis. Transfers electrons from NADPH to the Fe/S cluster of CIAPIN1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215946