

## Product datasheet for **RC226636**

### **NDOR1 (NM\_001144026) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NDOR1 (NM_001144026) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NDOR1
Synonyms:	bA350O14.9; CIAE1; NR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC226636 representing NM\_001144026  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCAGCCCGCAGCTTCTGGTCTCTCGGCAGCCAGACAGGCACGGCTCAGGATGTGTGGAGAGAC  
 TGGGTCGCGAGGCCCGGCCCGCGGCTTGGCTGCCGGTGCAGGCCCTGGACTCTACCCGGTGGTGAA  
 TCTGATTAACGAGCCCTGGTGATATTTGTTTGTGCAACTACAGGCCAAGGAGACCCCTGACAACATG  
 AAGAACTCTGGAGGTTTATATTCGGAAGAACCTGCCCTCCACTGCCCTCTGTGAGATGGACTTTGCCG  
 TCCTGGGCTCGGGGACTCCTACACGCAAGTTCAACTTCGTGGCCAAGAAGCTGCACCAGCGCTACT  
 GCAGCTTGGGGCAGCGCCCTCTGCCGTGTGCCTGGGCGATGACCAGCATGAGCTGGGGCCGACGCT  
 GCTGTGGACCCCTGGCTGCGAGACTTGTGGACAGGGTCTGGGGCTGTACCCGCCGCTCCGGGCTCA  
 CTGAGATCCCTCCCGAGTCCCCTGCCCTCAAGTTCACCTGTCTTCTCAAGAGGCCACCCAGCAC  
 GGGCTCTGAGGGCAGCGGTAGCTCACCCGGCTCTCAGGAGCCCCGTGAGAGTGAAGCCCTTCTTA  
 GCACCATGATCTCAACAGAGAGTACCCGGCCCTCCCACTTCCAGGACGTTCCGGCTGATTGAGTTT  
 ACATCTTGGGCTCTGGCATCAGCTTTGCTGCTGGTGTGATGTGGTGTGATTAGCCCTCAACTCGGCTG  
 CCATGTCCAGCGTTCTGCCAGGTGCTGGGCTGGACCCTGACCAGCTTTCATGCTGCAGCCGCGGGAG  
 CCAGATGTCTCTCCCCACGAGGCTGCCCCAGCCCTGCTCCATGCGGCACCTCGTGTCCCACTACCTGG  
 ACATCGCCAGCGTGCCTCGCCGCTCCTTCTTGAACCTCTGGCCTGTCTATCCCTCCATGAGCTGGAGCG  
 GGAGAAGTGTGGAGTTCAGTTCTGCCAAGGCCAGGAGGAGCTTTTGAATACTGCAACCGGCCCGC  
 AGGACCATCTGGAGTGTCTGTGACTTCCCGCACACAGTCCCGCCATCCCTCCGACTACCTGTTGG  
 ACCTCATCCCCGTTATCCGGCCGAGGGCCTTCTCCATCGCCTCTCGCTGCTGACTACCCCTCAGGCT  
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 TGGCTGGCATCCCTGGACCCTGGCAAGGACCTGTCCGGTGCCTCTGGGTGCGGCTGGGAGTCTGG  
 CCTTCCAGAGACACCAGACACCTGTGATCATGGTGGGCTGGCACTGGGGTAGCCCCCTTCCGAGC  
 AGCCATCCAGGAGCGTGTGGCCAGGGCCAGACTGGAACTTCTTGTTTTTGGTGGCGTGGCGGGAC  
 CAAGACTTCTACTGGGAGGCTGAGTGGCAGGAGCTGGAGAAGCGGGACTGTGACCCTCATCCCTGCT  
 TCTCCCGGAACAGCCCCAGCCCTGTTCTTGCCTACAGGAGCAGAAAGTATATGTGCAGCACCAGGCT  
 CCGGGAGCTGGGTCGCTTGTGTGGAACTGCTGGACCAGGGTGCATACTTCTACCTGGCAGGCAAC  
 GCCAAGTCCATGCCAGCGGACGCTCTCGGAAGCCCTGATGTCCATCTTCCAGGAGGAGGTGGACTCTGCA  
 GCCGGACGACGCGCGTATCTAGCCAGGCTCCAGCAGACACGGCGCTTCCAGACAGAGAGCTGGGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC226636 representing NM\_001144026  
 Red=Cloning site Green=Tags(s)

MPSPQLLVLFQSQTGTAQDVSERLGREARRRRLGCRVQALDSYPVVNLINELVIFVCATTGQGDPPDNM  
 KNFWRIFRKNLPSTALCQMDFAVLGLGDSSYAKFNFAKHLRRLQLGGSALLPVCLGDDQHELGPDA  
 AVDPWLRDLWDRVLGLYPPPPGLTEIPPGVPLPSKFTLLFLQEAPSTGSEQRVAHPGSQEPPSESKPFL  
 APMISNQRVTGPHSHFQDVRLEIFDILGSGISFAAGDVVLIQPSNSAAHVQRFCQVLGLDPDQLFMLQPRE  
 PDVSSPTRLPQPCSMRHLVSHYLDIASVPRRSFPELLACLSHELEREKLLFSSAQGEELFEYCNRPR  
 RTILEVLCDPHTAAAIPPDYLLDLIPVIRPRAFSIASSLLTHPSRLQILVAVVQFQTRLKEPRRGLCSS  
 WLASLDPGQGPPVRVPLWVRPGSLAFPETPDPVIMVPGTGVAPFRAAIQERVAQQTGNFLFFGCRWRD  
 QDFYWEAEWQELEKRDCLTIPAFSREQPALFSALQEYQVYVQHRLRELGSVWELLDRQYAFYLAGN  
 AKSMPADVSEALMSIFQEEGGLCSPDAAAYLARLQQTRRFQETETWA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8069\\_e01.zip](https://cdn.origene.com/chromatograms/mk8069_e01.zip)

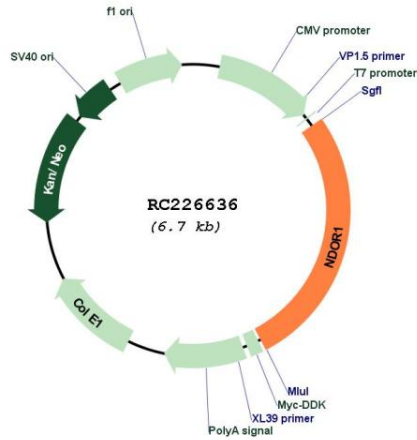


**Cytogenetics:** 9q34.3

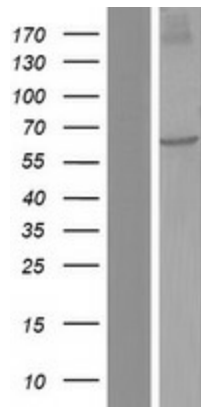
**MW:** 67.5 kDa

**Gene Summary:** This gene encodes an NADPH-dependent diflavin reductase that contains both flavin mononucleotide (FMN) and flavin adenine dinucleotide (FAD) binding domains. The encoded protein catalyzes the transfer of electrons from NADPH through FAD and FMN cofactors to potential redox partners. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2012]

**Product images:**



Circular map for RC226636



Western blot validation of overexpression lysate (Cat# [LY428473]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226636 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).