

## Product datasheet for **RR209875**

### **Ndor1 (NM\_001107818) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ndor1 (NM_001107818) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ndor1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR209875 representing NM\_001107818  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGGTTCCACAGCTTCTGGTCTTTTCGGTAGCCAGACTGGCACAGCTCAGGACGAGGCCGAGAGGC  
 TGGGCCGCGAGGCCCGGCCGCGCGCTAGGTTGCCGCGTGAAGCTTTGGACTCTACTCCGTGGCGAA  
 TCTCATTAGGAGCCCTGGTGATATTTGTTTGTGCGACTACAGGCCAAGGAGACCTCCTGACAACATG  
 AAGAACTCTGGAGGTTCAATTCGGAAGAGCCTGCCATCCACCTCCCTCTGTCAAATGGATTTTGCTG  
 TCCTAGGCTCGGGATTCTCATATGCCAAGTCAACTTTGGGCAAGAAGCTCCATCGCAGGCTGCT  
 GCAGCTAGGAGCAATGCCCTCGTGCCTCCGTGTCTGGGTGACGACCAGCATGAGTTAGGCCCGATGCT  
 GCCATTGACCCCTGGGTAGGAGACCTTTGGGAGAAGATAATGACTATGTACCCTGTACCCTCGACATTC  
 CTGAGATCCCTCATGGAGTCCCCTTGCCTCCAAGTTCATCTCCAGTTTCTTCAGGAGTCCCCAGCAT  
 AGGGGCTGAGGAGCTGAACCTCGCCAGTTCAGCCCTCAGACACCCCTCAGAGTTACAGCCCTTTCTG  
 GCTCCTGTGGTACCAACAGAGGGTCACTGGCCCAACACTTCCAGGACGTTCCGGCTGATGGAGTTG  
 ACATTACAGAGTCGAATATCAGTTTTGCTGCTGGCGATGTTGTCTTAATTCTGCCCTCTAACTCGGAGGC  
 CCACACCAAGCAGTTCTGCCAAGTGTGTGCCTGGACCCCAATCAGTTTTTACACTTAAGCCACGGGAA  
 CCAGGTGTCCCTTACCCACAGGCTGCCTCAGCACTGCACTGTGTGGCACCTTGTGTGCGAGTACTTGG  
 ACATTGCCAGCGTGCCCCGCGTTCCTTCTTTGAGCTCTTGGCTGTCTCTCCACATGCACTGGAGCG  
 GGAGAAGTGTGGAATTCAGCTCCGCCAGAGGACAGGAAGAGCTCTGGGAGTACTGTAATCGGCCCCGC  
 AGAACCATCTGGAGTGTGTGACTTCCCACACACGGCGGGTGCATTCTCCAGACTACCTTTTGG  
 ACTTGATCCCTCGGATCCGTCCCCGGCCTTCTCCATTGCTTATCCCTACTGGCTACCCAGGAGGCT  
 ACAGATCCTTGTGGCTGTGGTAAAGTACCAGACTCGCCTGAAGGAGCCCGCCGTGGCCTCTGCTCCTCC  
 TGGCTAGCATCCCTGACTCCTGGCAAGCCGACCTGTCCGGGTGCCTCTGTGGTTTCGGCTGGGAGCC  
 TAGTGTCCCAAAAACACAGGCACACCCATTATCATGGTGGGCCTGGAAGTGTGTGGCCCCCTCCG  
 AGCAGCCATTCAAGAACGAGTGGCCATGGGCAATGGGAAACGTCTTATTCTTCGGCTGCCCCAGCGG  
 GATCAGGACTTCTACTGGCAGACTGAGTGGCAGGAGCTAGAGCAGAGGGGCTGCCTGACCCTGGTTACAG  
 CCTTCTCCGGGAGCAGGCACAGAAGGTGTATGTGCAGCACCGGCTCCGAGAGCTGGGGCACTTGTCTG  
 GGAGTGTGGATGGCAAGGTGCCTACTTCTACTTAGCAGGCAATGCCAAGTATATGCCTACGGATGTT  
 TCGGAAGCCCTCACAGCCATTTTCAAGAAGAAGGACACTCTCCACCACAGATGCAGCTGCCTACCTTG  
 CCAGGCTCCAGCAGACTGCGCTTCCAGACTGAGACCTGGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR209875 representing NM\_001107818  
 Red=Cloning site Green=Tags(s)

MQVPQLLVLFQSQTGTAQDEAERLGREARRRRLGCRVQALDSYSVANLIREPLVIFVCATTGQGDPPDNM  
 KNFWRIFRKSLPSTSLCQMDFAVLGLGDSSYAKFNFVAKKLHRRLLQLGGNALVPPCLGDDQHELGPDA  
 AIDPWVGDLEWIKIMTMYPVPLDIPEIPHGVPVPSKFIQFQLQEVPSIGAEELNLASSAPQTPPSELQPF  
 APVVTNQRVTGPHQFQDVRLEFDITESNISFAAGDVVLILPSNSEAHTKQFCQLLCLDPNQFFTLKPRE  
 PGVYPVPLPQHCTVWHLVSQYLDIASVPRRSFFELLACLSPHALEREKLLFSSARGQEELWEYCNRRP  
 RTILEVLCDFPHTAGAIIPDYLLDLIPRIRPRAFSIASSLLAHPRLQILVAVVKYQTRLKEPRRGLCSS  
 WLASLTPGQAGPVRVPLWVRPGSLVFPKTPGTPIMVGPVGVVAPFRAAIQERVAHQMGVNVFFGCRQR  
 DQDFYQTEWQELQRGCLTLVAFSREQAQKVVYVQHRLRELGPLVWELLDGQGYFYLAGNAKYMPTDV  
 SEALTAIFQEEGRLSTTDAAYLARLQQLRFQETWA

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

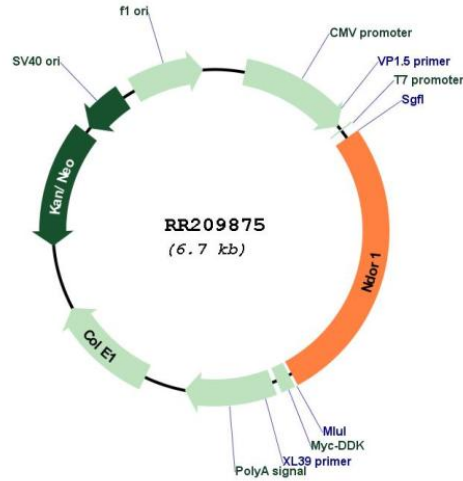
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM\_001107818

<b>ORF Size:</b>	1794 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001107818.1</a> , <a href="#">NP_001101288.1</a>
<b>RefSeq Size:</b>	2338 bp
<b>RefSeq ORF:</b>	1797 bp
<b>Locus ID:</b>	311799
<b>Cytogenetics:</b>	3p13
<b>MW:</b>	67.2 kDa