

## Product datasheet for **MR230407**

### **Ndor1 (NM\_001252541) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ndor1 (NM_001252541) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ndor1
Synonyms:	4930447P04Rik; Ndor; NR1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>MR230407 representing NM\_001252541  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCAGGTTCCACAGCTCCTGGTCTTTTCGGCAGCCAGACTGGTACAGCCAGGACGAGGCCGAGAGGC  
 TGGGCCGTGAGGCCCGGCCGCGGCTAGGTTGCCGCTGCAGGCTTTGACTCTTACTCCGTGGCGAA  
 TCTCATTAGGAGCCCTGGTATATTTGTTTGTGCGACCACAGGCCAAGGAGACCTCCTGACAACATG  
 AAGAACTCTGGAGTTCATATTCGGAAGAGCCTGCCGTCCAGCTCCCTCTGTCAAATGGATTTTGCTG  
 TCCTAGGCCTCGGGGATTCCTCATATGCCAACTTGCCCTCCAAGTTCATCTTTCAGTTTCTCAGGAGGT  
 CCCCAGCATAGGGGCTGAGGAGCTCAACATAGCCAGCTCAGCCCCTCAGACACCCCATCAGAGTTACAG  
 CCCTTCTGGCACCTGTGATACCAACCAGAGGGTCACTGGCCCCAACACTTTCAGGATGTTGGCTGA  
 TTGAATTTGACATTACAGACTCCAATATCAGCTTTGCTGCTGGTATGTTGTATTCAATTTGCCCTAA  
 CTCGGAGGCCACACCCAGCAGTTCTGCCAAGTGTGTGCTGGACCCCAATCAGTTTTTACACCTAAAG  
 CCACGGGAACAGGTGTCCCTGACCCACAGGGCTGCCTCAGCCCTGTACTGTGTGGAACCTCGTGTCCC  
 AGTACTTGGACATTGCCAGTGTGCCCGCCGTTCTTCTTTGAGCTCCTGGCTGTCTCTCCAACATGC  
 GCTGGAGCGAGAGAAGCTGCTGGAATTGAGCTCTGCCAGAGGTCAGGAAGAGCTCTGGGAGTACTGCAGT  
 CGGCCCCGAGAACCATTGGAGGTGCTATGCGACTTTCACATACAGCGGGTGCCTTCTCCAGACT  
 ACCTTTTGGACCTAATCCCTCGGATCCGCCACGGGCTTCTCCATTGCTTCTCCCTACTGGCTCATCC  
 CAGGAGGCTACAGATCCTTGTGGCTGTGGTAAAGTACCAGACTCGTCTGAAGGAGCCCGCCATGGTCTC  
 TGCTCCTCCTGGTAGCATCCCTGAATCCTGGCAAGCAGGACCTGTCCGGTGCCTCTGTGGGTACGTC  
 CTGGGAGCCTCGTGTCCCAAAAACACAGACACCCATTATCATGGTGGGGGCTGGAATGGTGTGTC  
 CCCCTTCCGAGCAGCATTACAGGAACGAGTGGCTCATGGCCAAACTGGAACCTTCTTGTCTTTGGCTGC  
 CGCCAGCGGGATCAGGACTTCTACTGGCAGACTGAATGGCAGAAGCTAGAGCAGAAGGGCTGGTGACCC  
 TGGTTACAGCCTTCTCCCGGAGCAGGAGCAGAAGGTATATGTGCAGCACCGGCTTCGAGAGCTGGGGCC  
 ACTTGTCTGGGAGCTGCTGGATGGCAAGGTGCCTACTTCTACCTAGCAGGCAATGCTAAATATTTGCCCT  
 ACGGATGTTTCCGAAGCCCTTATGTCCATTTTCAAGAAGAAGGACGACTCTCCACTGCAGATGCATCTG  
 CCTACCTGCTAGGCTCCAGCAGACTGCGCTCCAGACTGAAACCTGGGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230407 representing NM\_001252541  
 Red=Cloning site Green=Tags(s)

MQVPQLLVLFQSQTGTAQDEAERLGREARRRRLGCRVQALDSYSVANLIREPLVIFVCATTGQGDPPDNM  
 KNFWRFIFRKSLPSSSLQMDFAVLGLGDSSYANLPSKFIQFLQEVPSIGAEELNIASSAPQTPPSELQ  
 PFLAPVITNQRVTGPQHFQDVRLIEFDITDSNISFAAGDVVFIILPSNSEAHTQFCQVLCCLDPNQFFTLK  
 PREPGVPDPPGLPQPCTVWNLVSQYLDIASVPRRSFFELLAQLSQUALEREKLELSSARGQEELWEYCS  
 RPRRTILEVLCDFPHTAGAIIPDYLLDIPRIRPRAFSIASSLLAHPRLQILVAVVKYQTRLKEPRHGL  
 CSSWLASLNPGQAGPVRVPLWVRPGSLVFPKTPDTPIMVGAGTVAPFRAAIQERVAHGQTGNLFFGC  
 RQRDQDFYWQTEWQKLEQKGLTLVTAFSREQEKKVYVQHRLRELGPLWELLDDGGAYFYLAGNAKYLPL  
 TDVSEALMSIFQEEGRLSTADASAYLARLQQLTRFQTETWA

**TR**TRPLEQK**L**I**SEEDLA**ND**ILDYK**DDDDK**V**

**Restriction Sites:**

Sgfl-MluI



<b>ACCN:</b>	NM_001252541
<b>ORF Size:</b>	1593 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_001252541.1</a> , <a href="#">NP_001239470.1</a>
<b>RefSeq Size:</b>	4556 bp
<b>RefSeq ORF:</b>	1596 bp
<b>Locus ID:</b>	78797
<b>UniProt ID:</b>	<a href="#">A2AI05</a>
<b>Cytogenetics:</b>	2 A3
<b>MW:</b>	60.2 kDa
<b>Gene Summary:</b>	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]