

## Product datasheet for **RC230374**

### **NDC1 (NM\_001168551) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NDC1 (NM_001168551) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NDC1
Synonyms:	NET3; TMEM48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC230374 representing NM\_001168551  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCACGGCCGTGAGCCGGCCCTGCGCCGGCAGGTCGCGGGACATACTGTGGCGGTTTTGGGCTGGA  
 GGATAGTTGCAAGTATTGTTTGGTCAGTGCTATTTCTACCCATCTGCACCACAGTATTTATAATTTTCAG  
 CAGGATTGATTTGTTTCATCCTATACAGTGGCTGTCTGATTCTTTTCAGTGACCTGTATAGTTCCTATGTA  
 ATCTTTTACTTCTGCTGCTGTGTCAGTGGTAATAATAATAAGTATTTTCAATGTGGAGTTCTATGCAG  
 TGATAACCCAGGGCCAGTACAGCTTTCTGTGGTTCCCTGCACTGGTACTAACAGCTTTGGTAGCCCTGC  
 TGCGCAAACCTGCTTAAATGAATATCATCTTTTTTCTACTGACTGGAGCATTATGGGCTATAGCTAT  
 AGCCTCTGTATTTTGTAAACATGAACATCTTCCATTTCCATCATAACAGCAATAACAAGTTCTTGC  
 GTTTTAGGAGATCTCTGCTCTTATTAGTAAACACAGTTGTGTGGAATCACTGTTCTGGTTAGAAATTT  
 CTGCAATTTATATTTTCTTGGCTATATCCCAAAGCTTGGATTAGCACTGCTATGAACCTTCACATA  
 GATGAGCAGGTTCAAGGCCACTTGACACAGTGAAGTGGCCTCTTAAATCTCTCGTACTCTACCATGTCT  
 GGCTGTGTGGTGTCTTCTCCTGACGACTTGGTATGTCTCATGGATACTCTTCAAATCTATGCCACAGA  
 GGCTCATGTGTTTCTGTCAACCACCATTTGCAGAAGGGTCAGATGAGTGCCTTCCAAAAGTGTAAAT  
 AGCAATCTCCCCCATCAAAAGTATTTAGCCTTGCAGGACCTGATGTTGCTTCTCAATATCTCCTT  
 CACGAAGACAAGAAGTTTTAGCCTCAGCCAACCGGTGGACATCCCAAAATGGACAGCCATTTCAAG  
 GGAGTGTGTAATCTTTTAAATGGTATGACTCAGAAACTGATTCTCTATCAAGAAGCTGTGCTACGAAT  
 GGGAGAGTGTCTCATCTTACCCAGTGGAACTAAGAAATTAATTTCTCCAGAAGAACTGCTTTTTCAGA  
 CACCAAAATCTAGCCAGATGCCTCGGCCTCAGTGCCACCATTAGTTAAACATCACTGTTTTCTTCAA  
 ATTATCTACACCTGATGTTGTGAGCCCATTTGGACCCCATTTGGCTCTAGTGAATGAATCGGATGGCT  
 GGAATTTTTGATGTAAACACCTGCTATGGGTACCCGAAAGTCTCAGCTAATAAGAAGGGGCCAAGAT  
 TGTGGACATCAGCTTCTGATCAGCAAACTGACTGAATTTTCTAATCCTTCTCCATCTACCTCTATTAGTGC  
 TGAGGGTAAGACAATGAGACAACCCAGTGTGATTTATTCATGGATTGAGAATAAACGTGAACAGATTAAG  
 AATTTCTGTCAAACGGGTGCTGATAATGTATTTTTTCAGTAAGCACCCAGAGGCTCCATTCAGGCTG  
 TTTTTTCAGATGCCCAAATGCATATTTGGGCATTAGAAGGTCTGTGCACTTAGTAGCAGCATATTTAC  
 AGAGGATAGATTTGGAGTTGTCCAGACGACACTACCAGCTATCCTAATACTTTGTTGACTGCAAGAG  
 GCAGTCGACAAGTACTTTAAGCTTCTCATGCTTCCAGTAAACCACCCGGATTTAGGAAGCCTTGTGG  
 ACATTTATATAAAACATTAAGATTTGCATTAGAGCATCACTGAAAAGTCCATCTATCGAATAACTAC  
 TACATTTGGTGAACATCTGAATGCTGTGCAAGCATCTGCAGAACATCAGAAAAGACTTCAACAGTCTTG  
 GAGTTCAAAGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



**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\\_001168551.2](#)

**RefSeq ORF:** 1905 bp

**Locus ID:** 55706

**UniProt ID:** [Q9BTX1](#)

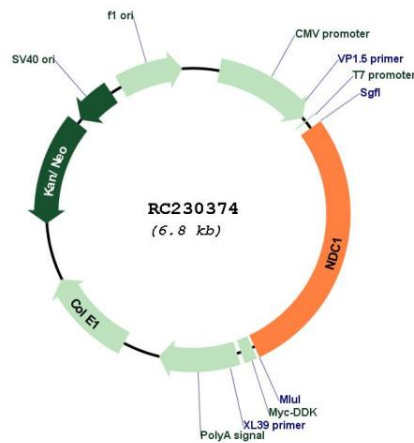
**Cytogenetics:** 1p32.3

**Protein Families:** Transmembrane

**MW:** 72.4 kDa

**Gene Summary:** Component of the nuclear pore complex (NPC), which plays a key role in de novo assembly and insertion of NPC in the nuclear envelope. Required for NPC and nuclear envelope assembly, possibly by forming a link between the nuclear envelope membrane and soluble nucleoporins, thereby anchoring the NPC in the membrane.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC230374