

Product datasheet for **RN215289**

Ndc1 (NM_001025023) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ndc1 (NM_001025023) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ndc1
Synonyms:	Tmem48
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN215289 representing NM_001025023
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCACGGCTGCGAGCGGCCCTGCGCCGGCGGGTACCGCGGACATCCTTTGGCGGTTTTGGGCT
 GGAGGATAGTTACTAGTGTGTTTTGGTCAGTGCTGCTTCTCCCTGTCTGCATCACAGCATTATAGTCTT
 CAGCAGCATCGATTTATCCACCCTATACAGTGGCTGTCAGATTCTCTCAATGAGTTCTATAGTCCCAA
 GTAATCTTTTACCTCCTGCTGCTGGCCGTGGTCATTATAATAAAGTATTTTCAATGTGGAGTTCTATA
 CAGTTGTGCCCTCCATACCCGGCTCCCGACTGGCGCTGATAGCACGGATCCTTACCCTCAGCAGCTCAC
 GCACTCCTTCATACAGCTGTGATGGGAATGGCAGTGGCTTGGTGTGCGGCCATCATGACCAAGGGCCAG
 TCCAGGCTCTGGTAGTTCCTGCAGTGAACGGAGAGCTTAGATAGCCCTGCTGCTCAAACCTGCATGA
 ATGAATATCATCTGTTTTCTACTGTCTGGAGCATTATGGGCTATAGCTATAGTCTTCTGTATTTTCAT
 TAACAACATGAATTATCTCCGTTTCTATTATACAGCAGTACAAATTTTTCGTTTCCGGAGATCTCTC
 CTCTACTAGTTAAACATAGCTGTGTGGAATCCCTGTTTCATGGTCAGAAATTTCTGCATTGTATATTATT
 TTTTTGGTCATATCCCAAAGCATGGATTAGCACTGCTCTGGACCTTCGCACAGACGAGCAGGCCACAG
 GCCTCTTGACACGATAGGCGGTCTCCTGAACGTCTCATTGCTCTACCATGTCTGGCTGTGTGGTGTCTTT
 CTCTTGATGACTTGGTATATCTCATGGATACTTCAAAATCTATGCCACAGAGGCTTATATGTTCCCTG
 TTCAGCCACCATTTGCGGAAGAATCAGATGAATGCCTTCTAAAGTCTTAAATAGCAATCCCCACTCAT
 CATAAAGTATTTGGCCTTACAGGACCTGATGTTGCTTCTCAGTATTCTCCTTCTCGAAGGAAGAAGTT
 TTCAGCCTCAGCAACCAGGTGGACATCCCACAATTGGACTGCTATTTTCGAGGGAGTGTGTTGAGTCTTT
 TAAATGATATGACTCAGAAGCTGGTTCTCTACCAAGAAGCTGCTGCTACGAATGGGCGGATGTATTCCTC
 ATACTCAGTGGAACCCAAGAGACTGAGTTCCTCCAGAAGAACTGCTTTTCAGACTCCAAAACCTAGCCAG
 ATGCCTTCCGTGCCGCCATTAGTTAAAACCTCATTGTTTTCTCCAAAATTAAGTACACCTGACGGTTCAA
 GTCCTTTTGGGACTCCGTTTGGCTCCAGTGTAGTGAACCGAATGGCTGGAATTTTGTATGTAACACCTG
 CTGTGGATCTCCCAGAGTCTCAGCTTGTGAGAAGAGGGCCGAGACTGTGGACTCACACTTCTGATCAG
 CAAGTGTCTGCAGTCTCTAATCCCTCCTTGTGCCTCTGCTACTGCTGAGGGCAAGACAGTGAAGCAGC
 CCAGTGTGCTCTACTCGTGGATTAGAATAAACGGGAGCAGATTAAGAATTTCTGTGAAACGGGTGCT
 GATAATGACTTTTTTTCAGTAAGCATCCAGAGCCCTCCATTGAGGCTGTTTTTTCAGATGCCCAAATGCAT
 ATTTGGGCTTTAGAAGGCTGTCTCACTTAGTAGCAGCATCATTTACAGAAGATAGATTTGGAGTTGTCC
 AGACCACGCTCCCAGCTATCCTTAATACTTTGCTGACTCTGCAGGAGGCTTTGACAAATACTTCAAGCT
 GCCCATGCTTCTAGTAAACACCCGAACCTCAGGAAGCCTCGTGGACACATCTACAAAACATTAAGA
 TTTGCTTTCAGGGCCTCACTGAAAACCTGCTATCTACCGTATAACCACCACGTTTGGTGAACATCTGAATG
 CTGTGCAAGCATCTGCAGAACATCAGAAAAGACTTCAACAGTTCTTGGAGTTCAAAGAA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001025023
- Insert Size:** 2022 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001025023.1](#), [NP_001020194.1](#)

RefSeq Size: 2636 bp

RefSeq ORF: 2022 bp

Locus ID: 362557

UniProt ID: [Q6AXN4](#)

Cytogenetics: 5q34

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 (By similarity).[UniProtKB/Swiss-Prot Function]