

Product datasheet for **SC329012**

NDC1 (NM_001168551) Human Untagged Clone

Product data:

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



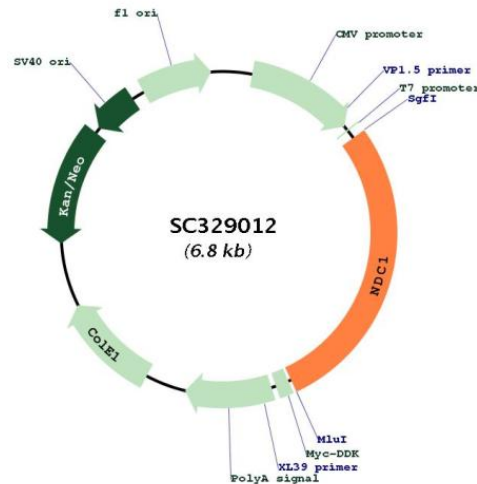
[View online »](#)

Fully Sequenced ORF: >SC329012 representing NM_001168551.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGCCACGGCCGTGAGCCGGCCCTGCGCCGGCAGGTGCGGGACATACTGTGGCGCTTTTGGGCTGG
AGGATAGTTGCAAGTATTGTTTGGTCAGTGTATTCTACCCATCTGCACCACAGTATTTATAATTTTC
AGCAGGATTGATTTGTTTCATCCTATACAGTGGCTGTCTGATTCTTTCAGTGACCTGTATAGTTCCTAT
GTAATCTTTTACTTCTGCTGCTGTGAGTAAATAATAATAAAGTATTTTCAATGTGGAGTTCTAT
GCAGTGATAACCCAGGGCCAGTACAGCTTTCTGTGGTCCCTGCACTGGTACTAACAGCTTTGGTAGC
CCTGCTGCGCAAACCTGCTTAAATGAATATCATCTTTTTTCTACTGACTGGAGCATTTATGGGCTAT
AGCTATAGCCTCCTGATTTTGTAAACAACATGAACATCTTCCATTTCCCATCATAACAGCAATAAAG
TTCTTGCCTTTTAGGAGATCTCTGCTCTATTAGTTAAACACAGTTGTGTGAATCACTGTTCTCGTT
AGAAATTTCTGCATTTTATATTATTTTCTGGCTATATCCCAAAGCTTGGATTAGCACTGCTATGAAC
CTTCACATAGATGAGCAGTTTCATAGGCCACTTGACACAGTGTGGCCCTTAAATCTCTCGTTACTC
TACCATGTCTGGCTGTGGTGTCTTCTCCTGACGACTTGGTATGTCTCATGGATACTCTCAAATC
TATGCCACAGAGGCTCATGTGTTTCTGTTCAACCACCATTTGCAGAAGGGTCAGATGAGTGCCTTCCA
AAAGTGTTAAATAGCAATCCTCCCCCATCATAAAGTATTTAGCCTTGCAGGACCTGATGTTGCTTCT
CAATATTTCTCCTCACGAAGACAAGAAGTTTTAGCCTCAGCCAACAGGTGGACATCCCCACAATTGG
ACAGCCATTTCAAGGGAGTGTTGAATCTTTAAATGGTATGACTCAGAAACTGATTCTCTATCAAGAA
GCTGCTGCTACGAATGGGAGAGTGTCTTACCTTACCCAGTGGAACTAAGAAATTAATTTCTCCAGAA
GAAACTGCTTTTCAGACACCAAAATCTAGCCAGATGCCTCGGCCCTCAGTGCCACCATTAGTTAAAAA
TCACTGTTTTCTCAAATTTATCTACACCTGATGTTGTGAGCCATTTGGGACCCCATTTGGCTCTAGT
GTAATGAATCGGATGGCTGGAATTTTGTGTAACACCTGCTATGGGTCACCGCAAAGTCTCAGCTA
ATAAGAAGGGGGCCAAGATTGTGGACATCAGCTTCTGATCAGCAAATGACTGAATTTTCTAATCCTTCT
CCATCTACCTCTATTAGTGTGAGGGTAAGACAATGAGACAACCCAGTGTGATTTATTCATGGATTCAG
AATAAACGTGAACAGATTAAGAATTTCTGTCAAACGGGTGCTGATAATGTATTTTTCAGTAAGCAC
CCAGAGGCCTCCATTAGGCTGTTTTTTCAGATGCCCAAATGCATATTTGGGCATTAGAAGGTCTGTG
CACTTAGTAGCAGCATCATTTACAGAGGATAGATTTGGAGTTGTCCAGACGACACTACCAGCTATCCTT
AATACTTTGTTGACTGCAAGAGGCAGTCGACAAGTACTTTAAGCTTCTCATGCTTCCAGTAAACCA
CCCCGGATTTTCAGGAAGCCTTGTGGACTTTCATATAAAACATTAAGATTTGCATTTCAGAGCATCACTG
AAAACGCAATCTATCGAATAACTACTACATTTGGTGAACATCTGAATGCTGTGCAAGCATCTGCAGAA
CATCAGAAAAGACTTCAACAGTTCTGGAGTTCAAAGAATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001168551

Insert Size: 1905 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001168551.1](#)

RefSeq Size: 4720 bp

RefSeq ORF: 1905 bp

Locus ID: 55706

UniProt ID: [Q9BTX1](#)

Cytogenetics:	1p32.3
Protein Families:	Transmembrane
MW:	72 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.</p>