

Product datasheet for **SC321589**

NDC1 (NM_018087) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDC1 (NM_018087) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDC1
Synonyms:	NET3; TMEM48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_018087.3
 CAGAGGGCGGTTCTGGAGTTACAGCCGCTTTGCGGGACGTGTCTGCGCGGCAGTCTTG
 GCCTGTTGAGCTTGTCCAGACGAAGCCTCGCAGGGATGGGTTGGAGCCTGGGCCGGGCTT
 CGCTCAGGCAGCGTTTGAGGCAGACCCAGCAGGGTCTCTGTTGCGCCCTAGACTAGGGGCCCATCTC
 ACTGCGGTGGCGGGCGGGCGCACGGTCTCTGTACGCCCTAGACTAGGGGCCCATCTC
 CATGGCCACGGCCGTGAGCCGGCCCTGCGCCGGCAGGTCGCGGGACATACTGTGGCGCGT
 TTTGGGCTGGAGGATAGTTGCAAGTATTGTTGGTCAGTGCTATTCTACCCATCTGCAC
 CACAGTATTTATAATTTTCAGCAGGATTGATTTGTTTCATCCTATACAGTGGCTGTCTGA
 TTCTTTTCACTGACCTGTATAGTTCTATGTAATCTTTTACTTCTGCTGTGTGCTGCTGCTG
 AATAATAATAAAGTATTTTCAATGTGGAGTTCTATGCAGTTGTGCCTTCTATTCTTG
 CTCCAGACTAGCTCTGATAGGAAGATCATTATCCTCAGCAACTCATGCACTCATTAT
 TCATGCTGCAATGGGAATGGTATGGCCTGGTGTGCTGCAGTGATAACCCAGGGCCAGTA
 CAGCTTTCTTGTTCCCTGCACTGGTACTAACAGCTTTGATAGCCCTGCTGCGCAAC
 CTGCTTAAATGAATATCATCTTTTTTCTTACTGACTGGAGCATTATGGGCTATAGCTA
 TAGCCTCTGTATTTTGTAAACAACATGAATATCTTCCATTTCCCATCATACAGCAATA
 CAAGTTCTTGCCTTTTAGGAGATCTCTGCTCTTATTAGTTAAACACAGTTGTGTGGAATC
 ACTGTTCTGTTAGAAATTTCTGCATTTTATATTATTTCTTGGCTATATTTCCCAAAGC
 TTGGATTAGCACTGCTATGAACCTTCACATAGATGAGCAGGTTTATAGGCCACTTGACAC
 AGTGAGTGGCCTCTTAAATCTCTCGTTACTCTACCATGTCTGGCTGTGTGGTGTCTTTCT
 CCTGACGACTTGGTATGTCTCATGGATACTCTTCAAAATCTATGCCACAGAGGCTCATGT
 GTTTCCTGTTCAACCACCATTTGAGAAGGGTCAGATGAGTGCCTTCCAAAGTGTTAA
 TAGCAATCCTCCCCCATCATAAAGTATTTAGCCTTGACAGGACCTGATGTTGCTTTCTCA
 ATATTCTCTTACGAAGACAAGAAGTTTTCAGCCTCAGCCAACAGGTGGACATCCCCA
 CAATTGGACAGCCATTTCAAGGGAGTGTTGAATCTTTTAAATGGTATGACTCAGAAAT
 GATTCTCTATCAAGAAGCTGCTGTACGAATGGGAGAGTGCTTTCATCTTACCCAGTGGA
 ACCTAAGAAATTAATTTCTCAGAAGAACTGCTTTTCAGACACCAAAATCTAGCCAGAT
 GCCTCGGCCTTCAGTGCCACCATTAGTTAAACATCACTGTTTCTTCAAAATTATCTAC
 ACCTGATGTTGTGAGCCCATTTGGGACCCCATTTGGCTCTAGTGAATGAATCGGATGGC
 TGGAATTTTGTGTAACACCTGCTATGGGTCACCGCAAAGTCTCAGCTAATAAGAAG
 GGGGCAAGATTGTGGACATCAGCTTCTGATCAGCAAATGACTGAATTTTCTAATCCTTC
 TCCATCTACCTCTATTAGTGCTGAGGGTAAGACAATGAGACAACCCAGTGATTTATTC
 ATGGATTCAGAATAAACGTGAACAGATTAAGAATTTCTTGTCAAACGGGTGCTGATAAT
 GTATTTTTTTCAGTAAGCACCCAGAGGCCTCCATTCAGGCTGTTTTTTCAGATGCCAAAT
 GCATATTTGGGCATTAGAAGGTCTGTGCACTTAGTAGCAGCATCATTTACAGAGGATAG
 ATTTGGAGTTGTCCAGACGACACTACCAGCTATCCTTAATACTTTGTTGACACTGCAAGA
 GGCAGTCGACAAGTACTTTAAGCTTCTCATGCTTCCAGTAAACACCCCGGATTTTCAGG
 AAGCCTTGTGGACACTTCATATAAAACATTAAGATTTGCATTAGAGCATCACTGAAAAC
 TGCCATCTATCGAATAACTACTACATTTGGTGAACATCTGAATGCTGTGCAAGCATCTGC
 AGAACATCAGAAAAGACTTCAACAGTTCTTGGAGTTCAAAGAATAGTTAAGTAATATAAA
 CTGTGTTCAATTACATGCTGATACAACTACAGATGGGACAGTAAATGTTACAGATTCTTG
 GATCAGAAGAAAACGGACTAATTAGATGCTTCTTTGTCGTGGTGGTTGCTTTGAAAAC
 ATACTTTAATGGGAGAAATCATGGAAAGAAATCTCAACAGAATAACTGAAAACGCTT
 TTCTGTACCGATTGCTTTTTGTGTGTGGTATAATAAATCTTTATTCAATTTTACAGA
 AAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_018087

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:	<u>NM_018087.3</u> , <u>NP_060557.2</u>
RefSeq Size:	2541 bp
RefSeq ORF:	2025 bp
Locus ID:	55706
UniProt ID:	<u>Q9BTX1</u>
Cytogenetics:	1p32.3
Protein Families:	Transmembrane
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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).