

Product datasheet for **SC301221**

NWD1 (NM_001007525) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NWD1 (NM_001007525) Human Untagged Clone
Tag:	Tag Free
Symbol:	NWD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301221 representing NM_001007525. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGCAGAGAGGGAAGCCCTGCAGAGCACTGCCTACCCTGAAGTGCCAGACCTTCTGCCAGAGGCACGGC
TTGATGTTTGAGGTGCTTGATCTGAGGTGGGTATTGGAAACATTGAAGCCACTGACCACTTGACCACA
GAACTCTGCTTGGAGGAGGTTGACCGGTGTTGGAAAACATCCATAGGGCCAGCTTTTGTTGCCCTCATC
GGTGATCAGTACGGCCCTGTCTGATTCCCTCGCGGATCGATGAGAAGGAGTGGGAGGTATTGAGGGAC
CATCTGACTGCCAGGCCAAGTGACCTGGAGCTGGTGGCAGGATACTTCCAGAGGGACGAGAATGCGTTT
CCTCCCACCTACGTCCTGCAGGCACAGGTAAGTGGGAGGCCCTGTGAACCAGAGGAGGCCACCTTAAC
TCTGTCTACGCTCTGGAGCCCAGGAGGCCGAGGCTGGGGCTCATCACCCAGGAGCAGTGGCAGCAC
TACCACCGGTCACTCATTGAGTGGGAGATAGAGCGGAGCCTGCTGAGCTCAGAGGACCGGAACAGGGA
GCCACCGTCTTCCTTAGAGAGATCCAAGACCTCCACAAACACATCCTTGAAGACTGCGCCCTTAGGATG
GTGGACCGGCTCGCGGATGGCTGCCTGGACGCTGATGCCCAGAACCTTCTCAGCAGCCTCAAAAGTCAC
ATCACTGACATGCACCCAGGGTCTCAAGACCCACCGCCTGCCGTGGAGCCGCGACTTGGTGAACCCC
AAGAACAAGACTCAGCCTGCTACCTGAAGGAGCTGGGTGAGCAGTTTGTGGTGAAGGCCAATCACCAG
GTCCTCACACGCTCCGTGAGCTGGATACGGCCGACAGGAGTTGGCGTGGCTCTACCAAGAGATCCGC
CACCACCTTTGGCAGAGCTCGGAGGTATTGAGACCTTCTGCGGACGCCAGGAATCCTGGCCCGGCTT
GGGCAGCAGCTCAGGCACGATGACAGCAAGCAGCACACCCCTGGTACTCTTTGGGCCCCAGGCATT
GGAAAGACAGCCCTGATGTGCAAGCTGGCTGAGCAGATGCCAAGGCTGCTGGGGCACAAGACAGTGACC
GTCCTGCGGCTGCTGGGGACGTCAAAATGAGCTCAGATGCCCGTGGCCTGCTGAAGAGCATCTGTTT
CAGGTGTGCTGGCTATGGGCTGCCCTTGCCCTGCCAGGTTCTGGACGCCACACCAAGGTGGT
CAGTTTTTCCATACCTCCTCCACACTGTCTTTCAGAACTTCGAGTCTCTCGTGTCTCTGCTGGAT
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CTGGACCCGAGGCCCTACTGGGAGGTGAAGCCCTTTCCGAAACCAAGGCCAGCAGATGATCAACTC
CTGCTGGCAGCTGCAAGGAGGACGCTGAGCCCGGTGCACACAGATTTGCTCTGGGCCAGCCTCCAGAG
TGTGGAAACCCAGGGCGGCTGAGGCTGGCGTTTGAAGGCCCGAAATGGGCCTTTTACCGTGCCT



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GTCCCGCTGGCCACCACCGCAGAGGAAGCCACGCACCAACTCTGCACCCGCTGGAGCAGACACACGGG
 CAGCTCCTCGTGGCCACGTGCTGGGCTACATTGTGTCTTCCGACACGGTCTCTCGGAGCGGAGCTG
 AAGGATGTTTTGTCCCTGGACGACGAGGTCTGCAGGATGTGTACCGAGATTGGACCCCGCCAGCAAG
 GAGCTGCTGCGCTTCCCGCCCTGCTGTGGGTGCGGCTTCGTGCGGATCTGGGATACTACTTGGCCCG
 CGGCCGTGGATGGCTTACCCTCTGGCCATTGCCACAGACAGCTGGTCGAGGTGGTCCGTGAGCGC
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 CCGCAGCCTCTGTGGTTCTCACATACGGTTGCAAACCTGCGGAAGCTGAAGGAGTTGCCCTATCACCTG
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 GAGGTTGGCTGGTCCGTGAAGCCCTCCAGCTCTGCCGCCCTGCTGTGGAGCTCCGAGGCATGGAGAGG
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 CAGCTATGCCAACAGGCCAGAGCTGGTCCAGTTGTGCGCACACCCTGTGCTGGTGCCCTCGGAGGA
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 GAGAAATTTACATTTGGGATGGAGGCTCAAAAAATCCCGCTGAACCTCAGATCTGGAACCTTATGTG
 GATGAGGCACACAAAGTTGTGTATTAGCATCTGGCTCAAAGTCAATGCTTGAATCTGGAACCTGCA
 GAGCCGGTATTCATATCCTGGGAGATGCCTCTGATCCTTGGATGTGCATGGCCGTGCTGGCCTCCCAG
 GCCCACTGCTGACAGTGTCCAGGATGGTGTGGTCACTCTGTGGAGCTCAGCTACGGGAAAACCTCAG
 GGAAGCAACATATGTCCAGCATCAAAGAAGAAACACCTACCTGTGCCGTCTCAGTCCAGAAGCAAGGA
 AAGCTTTTACCGGGTTTAGCAATGGCTCCATCTTTTGGTTTCTCCAAAGGGACAGATTGCTGGAG
 AAGCTTCCAGATGCTGTGAGTTCTGGTGGTCTCTGAAGATGAGTCCCTCCTCGCCGAGGCTTTGGA
 AGATCGGTGCGGATATTCTTGGCGGACTCGAGGGGCTTTCGCCGATTGATGGCCATGGATCTGGAACAT
 GAAGACATGGTGGAGACGGCTGTTTTTGGTACTGAGAACAACCTGATCATCACGGGGTCCCTTGTGCG
 CTCATTAGGTGTGGAGTCTGTGAGAACAGGGGACCCCTTCTGGACATCCTGGAAGGCGTCGGGGCCCC
 GTGAGCCTGCTGGCCCGCGCGGGGCTTTGGTGGCATCTGCTTCCCCACAGTCTCATCTTTCAAGGTC
 TGGGATCTCAGCATGCTCATAGGTCCCGGTGCCTGCACCATTTCTGGACCGCACCGGCTCACCACA
 GTGTCCACAATGGAAGCTACGTCTACTTCCCCAAATTTGGGACAAAAACAAAGTCACTATTTGGGAC
 TTGGCAGAAGGCGAGGAACAAGATTCCCTGGACACCTCCAGTGAGATCAGGTGTCTGGAGGTTGCTGAG
 CAGCGCAAGCTCCTATTTACGGGCTCGTGTGCGGGGTCTGCTTGTGTTCCCCCTGAATTCAGGCAG
 GACGTGATATGATTCCCCCTCCCGAGGCCCGGAAAGCAATCAACTGCATGTCCCTGAGCAAGTGCAG
 GACCGCTGGCCATCGCCTATGACAACATCGTCTCTGGTGTGGACATCACCTCCGGGGACCCCTGCCCG
 GTCATCGATGGGCCAAGATACACCTTTTCACTCAGCTGCCCCAGACCCCTCTCCAGCGTGGCCATTCTG
 ACGGACTACCGCGTGGTCTACAGCATGACCAATGGGGACCTCTTCTTTACGAGTGTGCAACTTCCAAA
 GCGTTTCCCTTGGAGACCCACAGGAGCCGAGTTGCCTGTGTGGAGGTGAGCCACAAGGAGCAGCTGGTG
 GTCAGCGGGTCTGAGGATGCCCTGCTGTCTCTGGGACCTGCAGGCACGCAAGTGGAATTCGAGATG
 AGCTACACGGCACCCCTGCTGA
 ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_001007525

Insert Size:

4299 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:	<u>NM_001007525.3</u>
RefSeq Size:	7645 bp
RefSeq ORF:	4299 bp
Locus ID:	284434
UniProt ID:	<u>Q149M9</u>
Cytogenetics:	19p13.11
MW:	159.9 kDa
Gene Summary:	The protein encoded by this gene is thought to be a cytosolic protein and predicted to contain a NACHT domain and multiple WD40 repeats. Increased expression of this gene was observed in some prostate cancer cell lines. Knocking down expression of this gene results in decreased androgen receptor protein levels, indicating that this gene may be important in modulating androgen receptor activity. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2016] Transcript Variant: This variant (1) encodes the longest isoform (1).