

Product datasheet for **SC102208**

NWD1 (AK090685) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NWD1 (AK090685) Human Untagged Clone
Tag:	Tag Free
Symbol:	NWD1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK090685, the custom clone sequence may differ by one or more nucleotides

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ATCGTCCTGGTGCTGGACATCACCTCCGGGGACCCCTGCCCGGTCATCGATGGGCCAAGATACACCTTTT
ACACTCAGCTGCCCGAGACCCCTCTCCAGCGTGGCCATTCTGACGGACTACCGCGTGGTCTACAGCATGAC
CAATGGGGACCTCTTTCTTTACGAGTGTCAACTTCCAAAGCGTTTCCCTTGGAGACCCACAGGAGCCGA
GTTGCCTGTGTGGAGGTGAGCCACAAGGAGCAGCTGGTGGTCAGCGGGTCTGAGGATGCCCTGCTGTGTC
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GGCTCCAGTGAGTTAGCCCCATTTAATCTAGTTAAAGCAAAAAGAATACGTTTGCTGGTGTATATCTGGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for AK090685 unedited
 GTCCTATTATGTAATACGACTCACTATAGGGCGGCCGCGAAATTCGACGAGGTCACCGCA
 GTGTCCCACAATGGAAGCTACGTCTACTTCCCCAAATTGGGGACAAAAACAAAGTCACTA
 TTTGGGACTTGGCAGAAGGCGAGGAACAAGATTCCTGGACACCTCCAGTGAGATCAGGT
 GTCTGGAGGTTGCTGAGCAGCGCAAGCTCCTATTTACGGGCCTCGTGTGCGGGGTCGTCC
 TTGTGTTCCCCCTGAATTCAGGCAGGACGTGATATGCATTCCCCCTCCCGAGGCCCGGA
 AAGCAATCAACTGCATGTCCTGAGCAAGTGCGAGGACCGCCTGGCCATCGCCTATGACA
 ACATCGTCTGGTGCTGGACATCACCTCCGGGGACCCCTGCCCGGTCATCGATGGGCCAA
 GATACACCTTTTACACTCAGCTGCCCGAGACCCTCTCCAGCGTGCCATTCTGACGGA
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 AAGCGTTTCCCTTGGAGACCCACAGGAGCCGAGTTGCCTGTGTGGAGGTGAGCCACAATG
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 ATCCGAGAGATTTTCGTGCCTTTACAAAACCTCACGCAGACCCTCTAAGAACTTAAAAA
 GCATGTGATGGTCAAATCCCCAAAAGAGGACTTTTCCCTGCAGAGCTCCCGACTTGATCC
 AAAGGCCACGAAAGAAACCATACAAGCTCCAG

3' Read Nucleotide Sequence:

>OriGene 3' read for AK090685 unedited
 NGGTAAATCCAGGACCGCGCCGAATTTAGGATCGTTTTTTTTTTTTTTTTTTGGGAGA
 CAGAGTCTCTGCTACTCATGCTGGGGTGCAGTGGTGCGATCTCGGCTCACTGCAACCTCC
 GCCTCCCGGGTTCAAGCCATTCTCCTGCCTCAGCCTCCAGCAGCTGGAATTACAGGTGT
 ACGTCACCACACCAGGCTAATTTTTGTATTTTGTAGTAGATTCTGAGTTTACCATGTTG
 ACCAGGCTGCTCTTGAACACCTGGCCTCAAGTGATCCACCCGCCTCAGCCTCCCAAAGTG
 CTGGGATTACAGGCGTGAGCCACCGAGGCTTTTGCCATTATTATTATTATGAGATGG
 AGTCTTGCTCTGTACCCATGCTGGAGTGCAAGGACCAATCTCAGCTCACTGCAACCTC
 CGCCTCCCGGGTTCAAGTGATTCTCCTGACTCAGCCTCAGGTAAGTGAAGATTACAGGC
 ACTCACCACCATGCCTGGCTGATTTTTGTTTTTTAGTAGAGAAGGGTTTACCATGTTG
 TCCAGGCTGGTCTGAACTCCTGACCTCAGTGATCCACCTGCCTCGGCCTTCCAAGAG
 CTGGGACACAGGTGTGAGCCACTGTGCCAGCCAGTTTTTGGCCTTATTTTAAAAATTT
 TTAATGGGCGAAAACACAGTTACTTTTTTGGCCGACCCTTTAGGAATTTTNAACACCT
 TGGAAACCGCGTGCCCAATACATTCCAAGCCTACCTCTTTAAAAATACCAGTTAAAAAATT
 TTTAAATGAAATTTGACACTAACTTTTGGAGAACTTCCAAAACCTGCCTGGAAAACCTGG
 TTGGGAAAAGGGTTGATTAACCGGGTTGGGGTTTTGTAGCTCAAAACCTCTGGTTTC
 TAGGTGCCTTTTTTCGG

Restriction Sites:

NotI-NotI

ACCN:

AK090685

Insert Size:

3500 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:	<u>AK090685.1</u>
RefSeq Size:	3004 bp
RefSeq ORF:	3004 bp
Locus ID:	284434
Cytogenetics:	19p13.11
Domains:	WD40
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]