

Product datasheet for SC338032

NWD1 (NM_001290355) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NWD1 (NM_001290355) 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:	>NCBI ORF sequence for NM_001290355, the custom clone sequence may differ by one or more nucleotides

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ATGGACTCACAATTCCACATGGCTGGGGAGGCCTCACAATCATGGCTGAAGGCAAAGGAGAAGCAAAGAG
GCACATCTTACATGGTGGCAGTCATTGAGTGGGAGATAGAGCGGAGCCTGCTGAGCTCAGAGGACCGGGA
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TCTCACATACGGTTGCAAACCTGCGGAAGCTGAAGGAGTTGCCCTATCACCTGCTTCACTCGGGCCGCT
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 AAGTGTGCTGATAGTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001290355

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_001290355.1](#), [NP_001277284.1](#)

RefSeq Size: 8403 bp

RefSeq ORF: 4290 bp

Locus ID: 284434

UniProt ID: [Q149M9](#)

Cytogenetics: 19p13.11

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 (2) differs in the 5' UTR and 5' coding region, initiates translation at an alternate start codon and contains an alternate exon in the 3' coding region, resulting in a translational frameshift, compared to variant 1. It encodes isoform 2, which is shorter and has distinct N- and C-termini, compared to isoform 1.