

## Product datasheet for SC310475

### NDRG2 (NM\_201535) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NDRG2 (NM_201535) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDRG2
Synonyms:	SYLD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310475 representing NM_201535. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGAGCTGCAGGAGGTGCAGATCACAGAGGAGAAGCCACTGTTGCCAGGACAGACGCCCTGAGGCG
GCCAAGGAGGCTGAGTTAGCTGCCCGAATCCTCCTGGACCAGGGACAGACTCACTCTGTGGAGACACCA
TACGGCTCTGCACTTTCACTGTCTATGGCACCCCAACCCAAACGCCAGCGATCCTTACCTACCAC
GATGTGGGACTCAACTATAAATCTTGCTTCCAGCCACTGTTTCAGTTCGAGGACATGCAGGAAATCATT
CAGAACTTTGTGCGGGTTCATGTGGATGCCCTGGAATGGAAGAGGGAGCCCTGTGTTCCCTTTGGGA
TATCAGTACCCATCTCTGGACCAGTTGCAGACATGATCCCTTGGTCCGTCAGTACCTAAATTTCTCT
ACAATAATTGGAGTTGGTGTGGAGCTGGAGCCTACATCCTGGCGAGATATGCTCTTAACCCCGGAC
ACTGTTGAAGGTCTTGCTCCTCATCAACATTGATCCCAATGCCAAGGGTTGGATGGATTGGCAGCCAC
AAGCTAACAGGCCTCACCTCTTCCATTCCGGAGATGATCCTTGGACATCTTTTACGCCAGGAAGAGCTC
TCTGGAATTCTGAGTTGATACAAAAGTACAGAAATATCATTACACATGCACCCAACCTGGATAACATT
GAATTGTACTGGAACAGCTACAACAACCGCCGAGACCTGAACTTTGAGCGTGGAGGTGATATCACCTC
AGGTGCTCTGTGATGCTGGTGGTAGGAGACCAAGCACCTCATGAAGATGCAGTGGTGAATGTAECTCA
AACTGGACCCCAACCCAGACCTCGTTCTCAAGATGGCTGACTCCGGAGGTGACGCCCAGCTGACTCAG
CCAGGCAAGCTGACCGAGGCCTCAAGTACTTCTGCAAGGCATGGCTACATGGCCTCATCCTGCATG
ACTCGCCTGTCCCGTCTCGTACAGCCTCTGACCAAGTGCAGCATCCGTTGATGGCAACCGGTCCCGC
TCTCGCACCTGTCCAGAGCAGCGAGTCTGGAATCTTTCTTCCGGGCCCCGGGGCACACCATGGAG
GTCTCCTGTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**ACCN:** NM\_201535

**Insert Size:** 1116 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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\\_201535.1](#)

**RefSeq Size:** 2142 bp

**RefSeq ORF:** 1116 bp

**Locus ID:** 57447

**UniProt ID:** [Q9UN36](#)

**Cytogenetics:** 14q11.2

**MW:** 40.8 kDa

**Gene Summary:**

This gene is a member of the N-myc downregulated gene family which belongs to the alpha/beta hydrolase superfamily. The protein encoded by this gene is a cytoplasmic protein that may play a role in neurite outgrowth. This gene may be involved in glioblastoma carcinogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2017]

Transcript Variant: This variant (1) encodes isoform a. Variants 1, 4, 6, 7 and 15 encode the same isoform (a).