

## Product datasheet for SC335656

### NDRG2 (NM\_001282211) Human Untagged Clone

#### Product data:

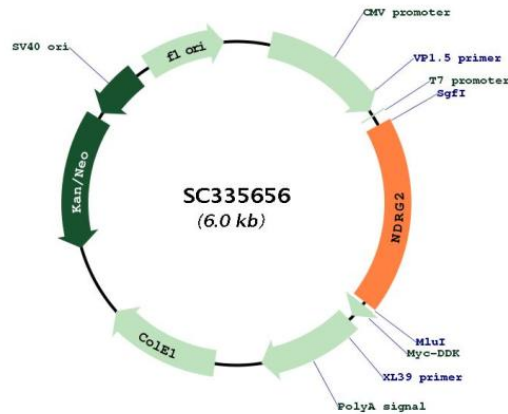
Product Type:	Expression Plasmids
Product Name:	NDRG2 (NM_001282211) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDRG2
Synonyms:	SYLD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335656 representing NM_001282211. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAAAATGGTGGTTCCATGCAGGCCACCATGGCGGAGCTGCAGGAGGTGCAGATCACAGAGGAGAAG
CCACTGTTGCCAGGACAGACGCCTGAGGCGGCCAAGACTCACTCTGTGGAGACACCATACGGCTCTGTG
ACTTTCACTGTCTATGGCACCCCAACCCAAACGCCAGCGATCCTTACCTACCACGATGTGGGACTC
AACTATAAATCTTGCTTCCAGCCACTGTTTCAGTTCGAGGACATGCAGGAAATCATTAGAATTTGTG
CGGTTTCATGTGGATGCCCTGGAATGGAAGAGGGAGCCCTGTGTTCCCTTTGGGATATCAGTACCA
TCTCTGGACCAGCTTGCAGACATGATCCCTTGCCTCCTGCAGTACCTAAATTTCTCTACAATAATTGGA
GTTGGTGTGGAGCTGGAGCCTACATCCTGGCGAGATATGCTCTTAACCCCGGACACTGTTGAAGGT
CTTGTCCTCATCAACATTGATCCCAATGCCAAGGGTTGGATGGATTGGGCAGCCACAAGCTAACAGGC
CTCACCTTCCATTCCGGAGATGATCCTTGGACATCTTTTCAGCCAGGAAGAGCTCTCTGGAAATTC
GAGTTGATACAAAAGTACAGAAATATCATTACACATGCACCCAACCTGGATAACATTGAATTGACTGG
AACAGCTACAACAACCGCCGAGACCTGAACCTTGGAGCTGGAGGTGATATCACCTCAGGTGTCTGTG
ATGCTGGTGGTAGGAGACCAAGCACCTCATGAAGATGCAGTGGTGAATGTAACCTAAAAGTGGACCC
ACCCAGACCTCGTTCCTCAAGATGGCTGACTCCGGAGGTGAGCCAGCTGACTCAGCCAGGCAAGCTG
ACCGAGGCCTTCAAGTACTTCTGCAAGGCATGGGCTACATGGCCTCATCTGCATGACTCGCCTGTCC
CGGTCTCGTACAGCCTCTCTGACCAGTGACATCCGTTGATGGCAACCGGTCCCGCTCTCGCACCCCTG
TCCCAGAGCAGCGAGTCTGGAATCTTTCTTCGGGGCCCCGGGGCACACCATGGAGGTCTCTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001282211

**Insert Size:** 1104 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:** [NM\\_001282211.1](#)

**RefSeq Size:** 1978 bp

**RefSeq ORF:** 1104 bp

**Locus ID:** 57447

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

**Cytogenetics:** 14q11.2

**MW:** 40.3 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 (9) has an alternate upstream exon in place of the first two exons and lacks an alternate in-frame internal exon compared to variant 1. The resulting isoform (c) is longer at the N-terminus and lacks an alternate internal segment compared to isoform a.