

## Product datasheet for RC233813

### NDRG4 (NM\_001242836) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NDRG4 (NM_001242836) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NDRG4
Synonyms:	BDM1; SMAP-8; SMAP8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233813 representing NM_001242836 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCGGAGTGTGGGATGGGAACATGACATCGAGACACCCTACGGCCTTCTGCATGTAGTGATCCGGG  
GCTCCCCAAGGGGAACCGCCAGCCATCCTCACCTACCATGATGTGGGCCTCAACCACAACTATGCTT  
CAACACCTTCTCAACTTCGAGGACATGCAGGAGATCACCAAGCACTTTGTGGTGTGCACGTGGATGCC  
CCTGGACAACAGGTGGGGCGTCGAGTTTCTCAGGGGTACCAGTTCCTCCATGGAGCAGCTGGCTG  
CCATGCTCCCCAGCGTGGTGCAGCATTTCCGGTCAAGTATGTGATTGGCATCGGAGTGGGCGCCGAGC  
CTATGTGCTGGCCAAGTTTGCACTCATCTTCCCCGACCTGGTGGAGGGGCTGGTGCCTGGTAAACATCGAC  
CCCAATGGCAAAGGCTGGATAGACTGGGCTGCCACCAAGCTCTCCGGCCTAACTAGCACTTTACCCGACA  
CGGTGCTCTCCCACCTCTTCCAGCCAGGAGGAGCTGGTGAACAACAGAGTTGGTGCAGAGCTACCGGCA  
GCAGATTGGGAACGTGGTGAACCAGGCCAACCTGCAGCTCTTCTGGAACATGTACAACAGCCGAGAGAC  
CTGGACATTAACCGGCCTGGAACGGTGCCAATGCCAAGACGCTCCGCTGCCCGTGATGCTGGTGGTTG  
GGGATAATGCACCCGCTGAGGACGGGTGGTGGAGTGAACCTCAAACCTGGACCCGACCACTACGACCTT  
CCTGAAGATGGCAGACTCTGGAGGGCTGCCCAAGTACACAGCCAGGGAAGCTGACTGAAGCCTTCAA  
TACTTCTGCAAGGCATGGCTACATGCCCTCAGCCAGCATGACCCGCTGGCAGCTCCGCACTGCAT  
CCCTCACCAGTGCCAGCTCGGTGGATGGCAGCCGCCACAGGCTGCACCCACTCAGAGAGCAGCGAGGG  
GCTGGGCCAGGTCAACCACCATGGAGGTGTCCTGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_001242836.1](#), [NP\\_001229765.1](#)

**RefSeq Size:** 3190 bp

**RefSeq ORF:** 1020 bp

**Locus ID:** 65009

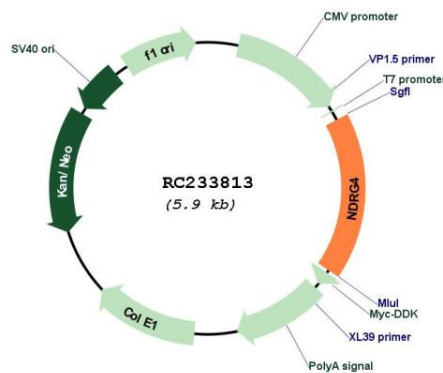
**UniProt ID:** [Q9ULP0](#)

**Cytogenetics:** 16q21

**MW:** 37.5 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 is required for cell cycle progression and survival in primary astrocytes and may be involved in the regulation of mitogenic signalling in vascular smooth muscles cells. Alternative splicing results in multiple transcripts encoding different isoforms.[provided by RefSeq, Jun 2011]

### Product images:



Circular map for RC233813