

Product datasheet for **SC331891**

NDRG4 (NM_001242833) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NDRG4 (NM_001242833) Human Untagged Clone
Tag: Tag Free
Symbol: NDRG4
Synonyms: BDM1; SMAP-8; SMAP8
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331891 representing NM_001242833.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCGGAGTGCTGGGATGGGGTGGGGGAAGGCAACGCTGGAGCCGTGAAGCTGGCAGGGCTAGGGGAC
CCCAGGTGGAGCCAGGGCACCTCCTCTCGCCGGGCATCAGGAACATGACATCGAGACACCCTACGGC
CTTCTGCATGTAGTGATCCGGGGCTCCCCAAGGGGAACCGCCAGCCATCCTCACCTACCATGATGTG
GGCCTCAACCACAACTATGCTTCAACACCTTCTTCAACTTCGAGGACATGCAGGAGATCACCAAGCAC
TTTGTGGTGTGCACGTGGATGCCCTGGACAACAGGTGGGGCGTCGCAGTTTCTCAGGGGTACCAG
TTCCCCTCCATGGAGCAGCTGGTGCCATGCTCCCAGCGTGGTGCAGCATTTCCGGTTCAAGTATGTG
ATTGGCATCGGAGTGGGCGCCGAGCCTATGTGCTGGCCAAGTTTGCACATCTTCCCAGCTGGTG
GAGGGGCTGGTGCTGGTGAACATCGACCCAATGGCAAAGGCTGGATAGACTGGGCTGCCACCAAGCTC
TCCGGCCTAACTAGCACTTTACCCGACACGGTGTCTCCCACCTCTTCCAGCCAGGAGGAGCTGGTGAAC
AACACAGAGTTGGTGCAGAGCTACCGGCAGCAGATTGGGAACGTGGTGAACCAGGCCAACCTGCAGCTC
TTCTGGAACATGTACAACAGCCGAGAGACCTGGACATTAACCGGCTGGAACGGTGCCTCAATGCCAAG
ACGCTCCGCTGCCCGTGATGCTGGTGGTTGGGGATAATGCACCCGCTGAGGACGGGGTGGTGGAGTGC
AACTCCAACTGGACCCGACCACTACGACCTTCTGAAGATGGCAGACTCTGGAGGGCTGCCCCAGGTC
ACACAGCCAGGGAAGCTGACTGAAGCCTTCAAATACTTCTGCAAGGCATGGGCTACATGCCCTCAGCC
AGCATGACCCGCTGGCAGCTCCCGCACTGCATCCCTCACCAGTGCCAGCTCGGTGGATGGCAGCCGC
CCACAGGCTGCACCACTCAGAGAGCAGCGAGGGGCTGGGCCAGGTCAACCACACCATGGAGGTGTC
TGTGA
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Restriction Sites: SgfI-MluI
ACCN: NM_001242833
Insert Size: 1110 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).



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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:	<ol style="list-style-type: none">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>NM_001242833.1</u>
RefSeq Size:	3280 bp
RefSeq ORF:	1110 bp
Locus ID:	65009
UniProt ID:	<u>Q9ULP0</u>
Cytogenetics:	16q21
MW:	40 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) has multiple differences at the 5' end which result in the use of a distinct translation initiation codon, compared to variant 2. The encoded protein (isoform 4) has a shorter and distinct N-terminus, compared to isoform 2.</p>