

Product datasheet for **SC331894**

NDRG4 (NM_001242836) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NDRG4 (NM_001242836) Human Untagged Clone
Tag: Tag Free
Symbol: NDRG4
Synonyms: BDM1; SMAP-8; SMAP8
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331894 representing NM_001242836.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCGGAGTGCTGGGATGGGGAACATGACATCGAGACACCCTACGGCCTTCTGCATGTAGTGATCCGG
GGCTCCCCAAGGGGAACCGCCAGCCATCCTCACCTACCATGATGTGGGCCTCAACCACAACTATGC
TTCAACACCTTCTCAACTTCGAGGACATGCAGGAGATCACCAAGCACTTGTGGTGTGTCACGTGGAT
GCCCTGGACAACAGGTGGGGCGTCGCAGTTTCTCAGGGGTACCAGTCCCCTCCATGGAGCAGCTG
GCTGCCATGCTCCCAGCGTGGTGCAGCATTTCCGGTTCAAGTATGTGATTGGCATCGGAGTGGCGCC
GGAGCCTATGTGCTGGCCAAGTTTGCACCTCATCTCCCCGACCTGGTGGAGGGGCTGGTGTGGTGAAC
ATCGACCCCAATGGCAAAGGCTGGATAGACTGGGCTGCCACCAAGCTCTCCGGCCTAACTAGCACTTTA
CCCAGACCGTGTCTCCACCTCTTACGCCAGGAGGAGCTGGTGAACAACACAGAGTTGGTGCAGAGC
TACCGGCAGCAGATTGGGAACGTGGTGAACCAGGCCAACCTGCAGCTCTTCTGGAACATGTACAACAGC
CGCAGAGACCTGGACATTAACCGGCCTGGAACGGTGCCAATGCCAAGACGCTCCGCTGCCCCGTGATG
CTGGTGGTTGGGGATAATGCACCCGCTGAGGACGGGTGGTGGAGTGCAACTCCAACTGGACCCGACC
ACTACGACCTTCTGAAGATGGCAGACTCTGGAGGGCTGCCCCAGGTACACAGCCAGGGAAGCTGACT
GAAGCCTTCAAATACTTCTGCAAGGCATGGGCTACATGCCCTCAGCCAGCATGACCCGCTGGCACGC
TCCCGCACTGCATCCCTCACCAGTGCCAGCTCGGTGGATGGCAGCCGCCACAGGCCTGCACCCACTCA
GAGAGCAGCGAGGGGCTGGGCCAGGTCAACCACACCATGGAGGTGTCCTGTGA
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001242836
Insert Size: 1020 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_001242836.1](#)

RefSeq Size: 3190 bp

RefSeq ORF: 1020 bp

Locus ID: 65009

UniProt ID: [Q9ULP0](#)

Cytogenetics: 16q21

MW: 37.1 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]

Transcript Variant: This variant (7) 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 3; also known as NDRG4-B) has a shorter and distinct N-terminus, compared to isoform 2.