

Product datasheet for **SC322090**

NDRG2 (NM_201541) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDRG2 (NM_201541) Human Untagged Clone
Tag:	Tag Free
Symbol:	NDRG2
Synonyms:	SYLD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322090
 ACCTCCCCGCTTGTGTGCAACTTCTCCCGGAGCAGCCGGAGAGCAGGCGTCGGGACGC
 AGCAAAGAGAGGAGAGACCCAGAGTCAGAAGGAGTGAGAACCTGACCCCTAATCCCAC
 TGCATCCAGCCAAATAGGAGCCCAGCCACCATGGCGGAGCTGCAGGAGGTGCAGATCACAG
 AGGAGAAGCCACTGTTGCCAGGACAGACGCCTGAGGCGGCCAAGACTCACTCTGTGGAGA
 CACCATAACGGCTCTGTCACTTTCACTGTCTATGGCACCCCAACCCAAACGCCAGCGA
 TCCTTACCTACCACGATGTGGGACTCAACTATAAATCTTGCTTCCAGCCACTGTTTCAGT
 TCGAGGACATGCAGGAAATCATTGAGAACTTTGTGCGGGTTCATGTGGATGCCCTGGAA
 TGGAAAGAGGGAGCCCTGTGTTCCCTTTGGGATATCAGTACCCATCTCTGGACGAGCTTG
 CAGACATGATCCCTTGCCTCCTGCAGTACCTAAATTTCTCTACAATAATTGGAGTTGGTG
 TTGGAGCTGGAGCCTACATCCTGGCGAGATATGCTCTTAACCACCCGGACACTGTTGAAG
 GTCTTGTCTCATCAACATTGATCCCAATGCCAAGGGTTGGATGGATTGGGCAGCCACA
 AGCTAACAGGCCCTCACCTCTCCATTCCGGAGATGATCCTTGGACATCTTTTCAGCCAGG
 AAGAGCTCTCTGGAATTTCTGAGTTGATACAAAAGTACAGAAATATCATTACACATGCAC
 CCAACCTGGATAACATTGAATTGTACTGGAACAGCTACAACAACCGCCGAGACCTGAACT
 TTGAGCGTGGAGGTGATATCACCTCAGGTGCCTGTGATGCTGGTGGTGGAGAGCAAG
 CACCTCATGAAGATGCAGTGGTGAATGTAACCTAAAACCTGGACCCACCCGGACCTCGT
 TCCTCAAGATGGCTGACTCCGGAGGTACGCCCCAGCTGACTCAGCCAGGCAAGCTGACCG
 AGGCCTTCAAGTACTTCTGCAAGGCATGGGCTACATGGCCTCATCTGCATGACTCGCC
 TGTCCAGGTCTCGTACAGCCTCTCTGACCAGTGCAGCATCCGTTGATGGCAACAGGTCCC
 GCTCTCGCACCTGTCCCAGAGCAGCGAGTCTGGAACCTTTTCTTCGGGGCCCCGGGGC
 ACACATGGAGGTCTCCTGTTGAATGGCCCTTGTGGCCTAGAGTGGGACCCAGCCCTCA
 CCTCCCCAGAGCTAACCTGGGAGGTGCTGAAGGGGCATTGGGCCACCGTAAGCAAGGGA
 AAAAGGGCAGATCATGCGGGGAGATGACCTTGATCTTTGATTGCTACCCTAACCTTGACC
 TTTAACCCGTGATTCCCCCAGCTCCTGGAAGAGATGTCTAATATCTCTTAGGGACCCA
 GACCCCTAAATTCCTCCTCCCCATTTTGATGTTAAGGTGGAGAGGGCATATGCATCC
 TCTGTCTGATCTAGGTGTCTATAGCTGAGGGTAAGAGGTTGTTGATTTGCTCCTGGT
 CCTCCATCAGACTCTCCCTACTTGTCCCATATTTGCAAGGGGAGGGGATTTGGGCTGGG
 GCTCCATTACCAAAGCTGAGGTGGCTTCTCATTAAACCTTTAGGACTCTGAAGGTATG
 GACCTACGTGAATGTGTGTCAGGGGAGACTTGTGGTGGGTTAGTGGTCTCAGGATGT
 GATAGAAACATCCAGTGTAAAAAGGAAGTTGAAATGGGAGTTGGCGGGCAGTGAACGAGT
 GTGGGGAAGGATTGGTGTCTGGGGCAACAGGAAGGGCCTGGGGCCGTTTGGCTGCTAA
 CTTTGGTAGCTCAGTGTGCATCTAGAGTGGGACTGGGGAGGGAGCTAAGCTTGGGCTGGG
 CTGCTTGGGGCTTGGCATAGGGTGGAAAGGGCTACCCTGGGGCTCTGACCACACTGTAGT
 ATGTGTGGAGGTTGCCCTCCATCTCCCAACTTCTGCTATAACAATAAACTGTAGAGG
 AATCAAAAATAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_201541

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).

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_201541.1](#), [NP_963835.1](#)

RefSeq Size: 2077 bp

RefSeq ORF: 1074 bp

Locus ID: 57447

UniProt ID: [Q9UN36](#)

Cytogenetics: 14q11.2

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 (8) differs in the 5' UTR and lacks an alternate in-frame exon in the coding region, compared to variant 1, resulting in a shorter protein (isoform b) that has a shorter N-terminus, compared to isoform a. Variants 2, 3, 5, 8, 11, and 12 encode the same isoform (b).