

Product datasheet for RC212237

NDRG2 (NM_201537) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NDRG2 (NM_201537) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NDRG2
Synonyms:	SYLD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212237 representing NM_201537 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGCTGCAGGAGGTGCAGATCACAGAGGAGAAGCCACTGTTGCCAGGACAGACGCCTGAGGCGG
CCAAGGAGGCTGAGTTAGCTGCCGAATCCTCCTGGACCAGGGACAGACTCACTCTGTGGAGACACCATA
CGGCTCTGTCACTTTCACTGTCTATGGCACCCCAAACCCAAACGCCAGCGATCCTTACCTACCACGAT
GTGGGACTCAACTATAAATCTTGCTTCCAGCCACTGTTTCAGTTCGAGGACATGCAGGAAATCATTAGA
ACTTTGTGCGGGTTCATGTGGATGCCCCGGAATGGAAGAGGGAGCCCTGTGTTCCCTTTGGGATATCA
GTACCCATCTCTGGACGAGCTTGCAGACATGATCCCTTGCCTGCAGTACCTAAATTTCTCTACAATA
ATTGGAGTTGGTGTGGAGCTGGAGCCTACATCCTGGCGAGATATGCTCTTAACCACCCGGACACTGTTG
AAGGTCTGTCCCTCATCAACATTGATCCCAATGCCAAGGGTTGGATGGATTGGGCAGCCACAAGCTAAC
AGGCCTCACCTCTCCATTCCGGAGATGATCCTTGGACATCTTTTCAGCCAGGAAGAGCTCTCTGAAAT
TCTGAGTTGATACAAAAGTACAGAAATATCATTACACATGCACCAACCTGGATAACATTGAATTGACT
GGAACAGCTACAACAACCGCCGAGACCTGAACTTTGAGCGTGGAGGTGATACCCCTCAGGTGCTCTGT
GATGCTGGTGGTAGGAGACCAAGCACCTCATGAAGATGCAGTGGTGAATGTAACCTAAAACCTGGACCC
ACCCGGACCTCGTTCCTCAAGATGGCTGACTCCGGAGGTGAGCCAGCTGACTCAGCCAGGCAAGCTGA
CCGAGGCCTTCAAGTACTTCTGCAAGGATGGGCTACATGGCCTCATCCTGCATGACTCGCCTGTCCCG
GTCTCGTACAGCCTCTCTGACCAGTGCAGCATCCGTTGATGGCAACAGGTCCCGCTCTCGCACCCCTGTCC
CAGAGCAGCGAGTCTGGAATCTTTCTCGGGCCCCCGGGGCACACCATGGAGGTCTCCTGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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_201537.1](#), [NP_963831.1](#)

RefSeq Size: 2075 bp

RefSeq ORF: 1116 bp

Locus ID: 57447

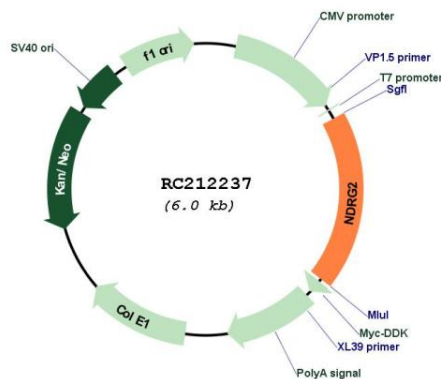
UniProt ID: [Q9UN36](#)

Cytogenetics: 14q11.2

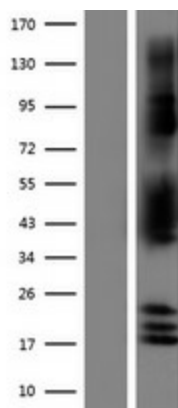
MW: 40.6 kDa

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]

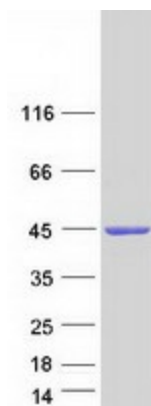
Product images:



Circular map for RC212237



Western blot validation of overexpression lysate (Cat# [LY404446]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC220003] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified NDRG2 protein (Cat# [TP312237]). The protein was produced from HEK293T cells transfected with NDRG2 cDNA clone (Cat# RC212237) using MegaTran 2.0 (Cat# [TT210002]).