

Product datasheet for RC237714

NDRG2 (NM_001282215) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | NDRG2 (NM_001282215) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | NDRG2 |
| Synonyms: | SYLD |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| ORF Nucleotide Sequence: | >RC237714 representing NM_001282215 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGCTGCAGGAGGTGCAGATCACAGAGGAGAAGCCACTGTTGCCAGGACAGACGCCTGAGGCGG
CCAAGGAGGCTGAGTTAGCTGCCGAATCCTCCTGGACCAGGGACAGACTCACTCTGTGGAGACACCATA
CGGCTCTGTCACTTTCACTGTCTATGGCACCCCAAACCCAAACGCCAGCGATCCTTACCTACCACGAT
GTGGGACTCAACTATAAATCTTGCTTCCAGCCACTGTTTCAGTTCGAGGACATGCAGGAAATCATTGAGA
ACTTTGTGCGGGTTCATGTGGATGCCCTGGAATGGAAGAGGGAGCCCTGTGTTCCCTTTGGGATATCA
GTACCCATCTCTGGACCAGCTTGCAGACATGATCCCTTGCCTGCTGCAGTACCTAAATTTCTCTACAATA
ATTGGAGTTGGTGTGGAGCTGGAGCCTACATCCTGGCGAGATATGCTCTTAACCACCCGGACACTGTTG
AAGGCTTGTCTCATCAACATTGATCCCAATGCCAAGGTTGGATGGATTGGGCAGCCACAAGCTAAC
AGGCCTCACCTCTCCATTCCGGAGATGATCCTTGGACATCTTTTCAGCCAGGAAGAGCTCTCTGGAAT
TCTGAGTTGATACAAAAGTACAGAAATATCATTACACATGCACCAACCTGGATAACATTGAATTGACT
GGAACAGCTACAACAACCGCCGAGACCTGAACTTTGAGCGTGGAGGTGATACACCCTCAGGTGCTCTGT
GATGCTGGTGGTGAATGTAACCTAAAACCTGGACCCACCCAGACCTCGTTCCTCAAGATGGCTGACTCC
GGAGGTACAGCCAGCTGACTCAGCCAGGCAAGCTGACCAGGCCTTCAAGTACTTCTGCAAGGCATGG
GCTACATGGCCTCATCCTGCATGACTCGCCTGTCCCGTCTCGTACAGCCTCTCTGACCAGTGCAGCATC
CGTTGATGGCAACCGTCCCCTCTCGCACCTGTCCCAGAGCAGCGAGTCTGGAACCTTTCTTCGGGG
CCCCGGGGCACACCATGGAGGTCTCTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237714 representing NM_001282215
 Red=Cloning site Green=Tags(s)

MAELQEVQITEEKPLLPQGTPEAAKEAELARILLDQGQTHSVETPYGSVTFVYGTGPKPKRPAILTYHD
 VGLNYSKSCFQPLFQFEDMQEIIQNFVVRVHVDAPGMEEGAPVFPLGYQYPSLDQLADMIPCVLQYLNFS
 TIGVGVGAGAYILARYALNHPDTVEGLVLINIDPNAKGWMDWAHKLTLGSSIPEMILGHLFSQEELSGN
 SELIQKYRNIITHAPNLNDIELYWNSYNNRRDLNFERGGDITLRCPVMLVVECNKLDPTQTSFLKMADS
 GGQPQLTQPGKLTEAFKYFLQGMGYMASSCMTRLRSRRTASLTSAAASVDGNRSRRTLSQSSESGLTSSG
 PPGHTMEVSC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

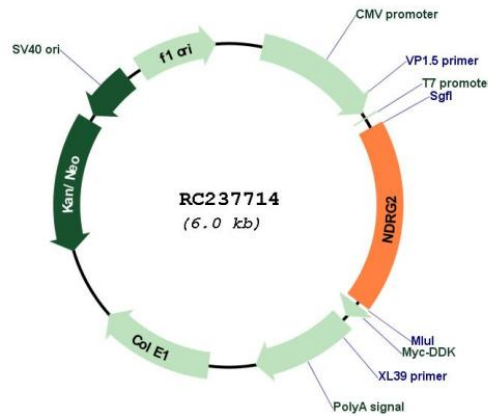
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282215

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|-------------------------------|---|
| ORF Size: | 1080 bp |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| 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: | NM_001282215.2 |
| RefSeq Size: | 2042 bp |
| RefSeq ORF: | 1083 bp |
| Locus ID: | 57447 |
| UniProt ID: | Q9UN36 |
| Cytogenetics: | 14q11.2 |
| MW: | 40.1 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 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] |