

## Product datasheet for **RG237370**

### **NDRG2 (NM\_001282216) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NDRG2 (NM_001282216) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NDRG2
Synonyms:	SYLD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237370 representing NM_001282216. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCACCCCAAACCAACGCCAGCGATCCTTACCTACCACGATGTGGGACTCAACTCCACTGTTT
CAGTTCGAGGACATGCAGGAAATCATT CAGA AACTTTGTGCGGGTTCATGTGGATGCCCTGGAATGGAA
GAGGGAGCCCTGTGTTCCCTTTGGGATATCAGTACCCATCTCTGGACCAGCTTG CAGACATGATCCCT
TGCGTCTGCAGTACCTAAATTTCTCTACAATAATTGGAGTTGGTGTGGAGCTGGAGCCTACATCCTG
GCGAGATATGCTCTTAACCACCCGGACACTGTTGAAGTCTTGCCTCATCAACATTGATCCCAATGCC
AAGGGTTGGATGGATTGGGCAGCCACAAGCTAACAGGCCTCACCTCTTCCATTCCGGAGATGATCCTT
GGACATCTTTTCAGCCAGGAAGACTCTCTGAAAATTCTGAGTTGATAAAAAGTACAGAAATATCATT
ACACATGCACCCAACCTGGATAACATTGAATTGTACTGGAACAGCTACAACAACCCGAGACCTGAAC
TTTGAGCGTGGAGGTGATATCACCTCAGGTGTCTGTGATGCTGGTGGTAGGAGACCAAGCACCTCAT
GAAGATGCAGTGGTGAATGTA AACTCAA AACTGGACCCACCCAGACCTCGTTCCCAAGATGGCTGAC
TCCGGAGGTCAGCCCAGCTGACTCAGCCAGGCAAGCTGACCGAGGCCTCAAGTACTTCTGCAAGGC
ATGGGCTACATGGCCTCATCCTGCATGACTCGCCTGTCCCGGTCTCGTACAGCCTCTCTGACCAGTGCA
GCATCCGTTGATGGCAACCGTCCCGCTCTCGCACCTGTCCCAGAGCAGCGAGTCTGGA AACTCTTTCT
TCGGGGCCCCGGGGCACACCATGGAGGTCTCCTGT
ACCGCTACGCGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237370  
 Blue=ORF Red=Cloning site Green=Tag(s)

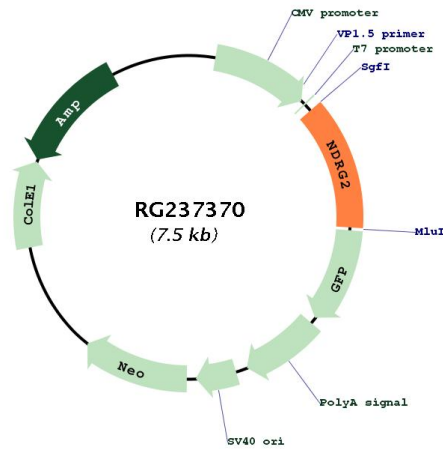
MAPPNPNAQRSLPTTMWDSTPLFQFEDMQEIIQNFVVRVHVDAPGMEEGAPVFPLGYQYPSLDQLADMIP  
 CVLQYLNFTIIGVGVGAGAYILARYALNHPDTEGLVLINIDPNAKGWMDWAAHKLTLTSSIPEMIL  
 GHLFSQEELSGNSELIQKYRNIITHAPLNDNIELYWNSYNNRRDLNFERGGDITLRCPVMLVVGQAPH  
 EDVAVVECNKLDPTQTSFLKMA DSGGQPQLTPQKGLTEAFKYFLQGMGYMASSCMTRLRSRRTASLTSA  
 ASVDGNRSRRTLSSSSESGTLSSGPPGHTMEVSC  
**TR**TRPLEMEDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001282216

<b>ORF Size:</b>	933 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001282216.1</a> , <a href="#">NP_001269145.1</a>
<b>RefSeq Size:</b>	1993 bp
<b>RefSeq ORF:</b>	936 bp
<b>Locus ID:</b>	57447
<b>UniProt ID:</b>	<a href="#">Q9UN36</a>
<b>Cytogenetics:</b>	14q11.2
<b>MW:</b>	34.6 kDa
<b>Gene Summary:</b>	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]