

## Product datasheet for MR217629

### Ndr2 (NM\_001145959) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ndr2 (NM_001145959) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ndr2
Synonyms:	A1182517; AU040374; Ndr2; SYLD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217629 representing NM_001145959 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGCAGAACTTCAGGAGGTGCAGATCACCGAGGAGAAGCCGCTGTTGCCAGGACAAACACCCGAGACTGCCAAGACTCACTCTGTGGAGACACCTTATGGCTCGGTCACTTTTACTGTGTATGGCACCCCCAAACCCAAACGCCCGGATATTCACCTACCATGATGTAGGCCTCACTATAAGTCTTGCTTCCAGCCACTGTTTCGGTTCGGGGATGCAAGAGATCATACAGAACTTCGTGCGGGTTCATGTGGATGCCCTGGCATGGAAGAGGGGGCCCTGTGTTTCTCTGGGATATCAGTACCATCTCTGGACCAGCTTGCTGACATGATTCCTTGCATCCTGCAGTACCTAAATTTCTCTACAATAATTGGAGTTGGTGTGGAGCCGGAGCCTACATTTCTGTCGCGATATGCTCTGAACCAACCCGACACAGTTGAAGTCTTGTCTCATCAACATTGATCCCAATGCCAAGGGCTGGATGGACTGGGACGCCACAAGTTAACTGGCCTTACGCTTCCATTCCGGACATGATTCCTGGACATCTTTTCAGCCAGGAAGACTTTCTGGAAATCTGAATTGATACAAAAGTACAGAGGTATCATCCAACACGCAACCAACCTGGAGAACATTGAACTCTACTGGAATAGCTACAACAACCGCCGAGACCTGAACTTTGAGCGAGTGGTGAGACGACCCTCAAGTGCCTGTGATGCTGGTGGTGGAGACCAAGCACCTCATGAAGATGCCGTGGTGAATGTAAGTCAAAGCTGGACCCACACAGACCTCGTTCCTCAAGATGGCCGACTCTGGAGGTCAGCCACAGCTGACTCAGCCCGCAAGCTGACAGAGGCTTTCAAGTACTTCTGCAAGGCATGGGCTACATGGCCTTCTCCTGCATGACTCGCCTATCTCGGTCTCGCACAGCATCTCTGACCAGTGACATCCATCGATGGCAGTCCGGTCCCGATCCCGCACCTGTGCGAGAGTAGCGAGTCTGGACTCTCCCTTCTGGACCCCAAGGCACACCATGGAAGTCTCCTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >MR217629 representing NM\_001145959  
Red=Cloning site Green=Tags(s)

MAELQEVQITEEKPLLPGQTPETAKTHSVETPYGSVTFVYGTGPKKRP AIFTYHDVGLNYKSCFQPLFR  
 FGDMQEIIQNFVRVHVDAPGMEEGAPVFPLGYQYPSLDQLADMIPCILQYLNFS TIIGVGVGAGAYILSR  
 YALNHPD TVEGLVLINIDPNAKGWMDWAHKL TGLTSSIPDMILGHLFSQEELSGNSELIQKYRGIQHA  
 PNLENIELYWNSYNNRRDLNFERGETTLKCPVMLVVG DQAPHEDAVVECSKLDPTQTSFLKMADSGGQ  
 PQLTQPGKLTEAFKYFLQGMGYMASSCMTRL SRRTASL TSAASIDGSRSRRTL SQSSESGTLPSGPPG  
 HTMEVSC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9039\\_a01.zip](https://cdn.origene.com/chromatograms/mm9039_a01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001145959

**ORF Size:** 1071 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:**

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\\_001145959.1](#), [NP\\_001139431.1](#)

**RefSeq Size:** 2115 bp

**RefSeq ORF:** 1074 bp

**Locus ID:** 29811

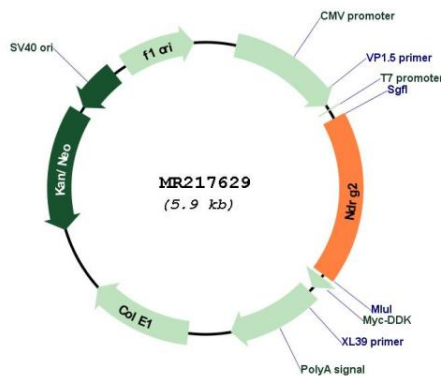
**UniProt ID:** [Q9QYG0](#)

**Cytogenetics:** 14 C2

**MW:** 39.7 kDa

**Gene Summary:** Contributes to the regulation of the Wnt signaling pathway. Down-regulates CTNNB1-mediated transcriptional activation of target genes, such as CCND1, and may thereby act as tumor suppressor. May be involved in dendritic cell and neuron differentiation (By similarity). [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR217629