

Product datasheet for **MR216067**

Ndr2 (NM_013864) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ndr2 (NM_013864) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ndr2
Synonyms: A1182517; AU040374; Ndr2; SYLD
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR216067 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGAACTTCAGGAGGTGCAGATCACCGAGGAGAAGCCGCTGTTGCCAGGACAAACACCCGAGACTG
CCAAGGAGGCCGAGTTAGCTGCCGCATCCTCCTGGACCAGGGACAGACTCACTCTGTGGAGACACCTTA
TGGCTCGGTCACTTTTACTGTGTATGGCACCCCAAACCCAAACGCCGCGGATATTCACCTACCATGAT
GTAGGCCCTCAACTATAAGTCTTGCTCCAGCCACTGTTTCGGTTTCGGGGATATGCAAGAGATCATACAGA
ACTTCGTGCGGGTTCATGTGGATGCCCTGGCATGGAAGAGGGGGCGCCTGTGTTTCCTCTGGGATATCA
GTACCCATCTCTGGACCAGCTTGCTGACATGATTCTTGTCATCCTGCAGTACCTAAATTTCTCTACAATA
ATTGGAGTTGGTGTGGAGCCGGAGCCTACATTCTGTCGCGATATGCTCTGAACCACCCGGACACAGTTG
AAGTCTTGTTCATCAACATTGATCCCAATGCCAAGGGCTGGATGGACTGGGCAGCCACAAGTTAAC
TGGCCTTACGTCTCCATTCCGGACATGATTCTGGACATCTTTTCAGCCAGGAAGAGCTTTCTGGAAT
TCTGAATTGATACAAAAGTACAGAGGTATCATCCAACACGCACCCAACCTGGAGAACATTGAACCTACT
GGAATAGCTACAACAACCGCCGAGACCTGAACTTTGAGCGAGGTGGTGGAGACACCTCAAGTGCCTGT
GATGCTGGTGGTTGGAGACCAAGCACCTCATGAAGATGCCGTGGTGAATGTAACCTCAAAGCTGGACCCC
ACACAGACCTCGTTCCTCAAGATGGCCGACTCTGGAGGTCAGCCACAGCTGACTCAGCCCGCAAGCTGA
CAGAGGCTTTCAAGTACTTCTGCAAGGCATGGCTACATGGCCTCTTCTGCATGACTCGCCTATCTCG
GTCTCGCACAGCATCTCTGACCAGTGCAGCATCCATCGATGGCAGTCGGTCCCGATCCCGCACCCCTGTCG
CAGAGTAGCGAGTCTGGGACTCTCCCTTCTGGACCCCAAGGCACACCATGGAAGTCTCCTGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR216067 protein sequence
 Red=Cloning site Green=Tags(s)

MAELQEVQITEEKPLLPGQTPETAKEAELARILLDQGQTHSVETPYGSVTFVYGTGPKPKRPAIFTYHD
 VGLNYSKSCFQPLFRFGDMQEIIQNFRVHVHDAPGMEEGAPVFPLGYQYPSLDQLADMIPCILQYLNFS
 TIGVGVGAGAYILSRVALNHPDTEGLVLINIDPNAKGWMDWAHKLTLGSSIPDMILGHLFSQEELSGN
 SELIQKYRGI IQHAPNLENIEL YWNSYNNRRDLNFERGGETTLLKCPVMLVVGDAQPHEDAVVECN
 SKLDP TQTSFLKMADSGGQPQLTOPGKLTEAFKYFLQGMGYMASSCMTRLRSRRTASL TSAASIDGSR
 SRRTLS QSSSEGLTPSGPPGHTMEVSC

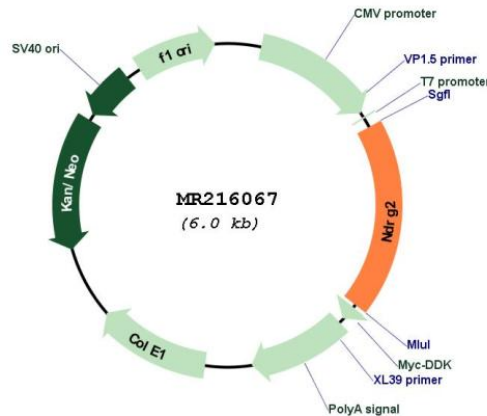
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_013864

ORF Size:	1113 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_013864.2 , NP_038892.1
RefSeq Size:	2157 bp
RefSeq ORF:	1116 bp
Locus ID:	29811
UniProt ID:	Q9QYG0
Cytogenetics:	14 C2
MW:	40.8 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]