

Product datasheet for **MC209812**

Ndr2 (NM_001145959) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ndr2 (NM_001145959) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ndr2
Synonyms: A1182517; AU040374; Ndr2; SYLD
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209812 representing NM_001145959
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAGAACTTCAGGAGGTGCAGATCACCGAGGAGAAGCCGCTGTTGCCAGGACAAACACCCGAGACTG
CCAAGACTCACTCTGTGGAGACACCTTATGGCTCGGTCACTTTTACTGTGTATGGCACCCCCAAACCCAA
ACGCCCGCGATATTCACCTACCATGATGTAGGCCTCACTATAAGTCTTGCTTCCAGCCACTGTTTCGG
TTCGGGGATATGCAAGAGATCATACAGAACTTCGTGCGGGTTCATGTGGATGCCCTGGCATGGAAGAGG
GGCGCCTGTGTTTCTCTGGGATATCAGTACCCATCTCTGGACCAGCTTGCTGACATGATTCTTGCAT
CCTGCAGTACCTAAATTTCTCTACAATAATTGGAGTTGGTGTGGAGCCGGAGCCTACATTCTGTGCGCA
TATGCTCTGAACCCCGGACACAGTTGAAGTCTTGTCTCATCAACATTGATCCCAATGCCAAGGGCT
GGATGGACTGGGAGCCCAAGTTAACTGGCCTTACGTCTTCCATTCCGGACATGATTCTTGGACATCT
TTTCAGCCAGGAAGAGCTTTCTGGAAATCTGAATTGATACAAAAGTACAGAGGTATCATCCAACACGCA
CCCAACCTGGAGAACATTGAACTCTACTGGAATAGCTACAACAACCGCCGAGACCTGAACCTTGGAGCGAG
GTGGTGAGACACCTCAAGTGCCTGTGATGCTGGTGGTGGAGACCAAGCACCTCATGAAGATGCCGT
GGTGGAATGTAACCTCAAAGCTGGACCCACACAGACCTCGTTCCTCAAGATGGCCGACTCTGGAGGTGAG
CCACAGCTGACTCAGCCCGCAAGCTGACAGAGGCTTCAAGTACTTCTGCAAGGCATGGGCTACATGG
CCTCTTCTGCATGACTCGCCTATCTCGGTCTCGCACAGCATCTCTGACCAGTGCAGCATCCATCGATGG
CAGTCGGTCCCGATCCCGCACCTGTGCGAGAGTACGAGTCTGGGACTCTCCCTTCTGGACCCCGAGG
CACACCATGGAAGTCTCCTGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001145959



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Insert Size:	1074 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_001145959.1, NP_001139431.1</u>
RefSeq Size:	2115 bp
RefSeq ORF:	1074 bp
Locus ID:	29811
UniProt ID:	<u>Q9QYG0</u>
Cytogenetics:	14 C2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame segment in the 5' coding region, compared to variant 1. The resulting protein (isoform 2) has a shorter N-terminus when it is compared to isoform 1.</p>