

Product datasheet for **MG207531**

Nkd1 (BC034838) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nkd1 (BC034838) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nkd1
Synonyms:	2810434J10Rik; 9030215G15Rik; Nkd
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG207531 representing BC034838
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGAAACTTCACTCGAAGCCGGCCCGCTGTGCAAGCGCAGGGAGAGCCCGGAAGGTGACAGCTTTG
 CTGTAAGCGCTGCTTGGCAAGGAAAGGCATCGAGGAGTGGATCGGGAGGCAGCGCTGTCCAGGCAGCGT
 CTCAGGACCCCGTCAGCTGAGATTGGCAGGCACTGTTGGTCGAGGCACTCGGGAACCTGTGGGTGACACT
 TCTAGAGAGGCTCTCGGTGAGGAGGACGAGGACGACTTCCCCCTAGAAGTGGCCCTGCCGCTGAGAAGA
 TTGACAGCCTAGGTAGTGGAGATGAGAAGAGAATGGAGAGACTGAGCGAACCTGGCCAGGCTCCAAGAA
 GCAGCTCAAGTTTGAAGAGCTGCAGTGTGATGTCTCTGTGGAGGAGACAGCCGGCAAGAGTGGACTTTC
 ACTCTATGACTTCGACAACAATGGCAAAGTGACCCGTGAGGACATTACCAGCTTGCTGCATACCATCT
 ATGAAGTGGTTGACTCCTCTGTGAACATTCCCCACATCAAGCAAGACTGCGGGTGAAGCTCACCGT
 GGCTCCTGACGGGAGCCAGAGTAAGAGGAGCGTCTTTTCAACCATAACCGATCTGCAGAGCACAAAGCCC
 CGAGCAGACACCAAAACCGCTGAGGAGCTGCGTGGCTGGGAGAAGAAGCAGCGAGCCCACTCAGGTTCC
 AGGGTGACAGCCACCTGGAGCAGCCAGACTGCTACCACCATTCGCTGGATGAGAACATTGAGAGGAGAAA
 CCACTACCTAGACCTGGCGGGGATAGAGAACTACACGTCTCAGTTTGGACCGGGATCCCCCTCGGTGGCC
 CAGAAGTCAGAGCTGCCCCCTCGAATCTCCAACCCCACTCGTCTCGCTCCCACGAGCCAGAAGTGCC
 ACGTCCCACACCGGAGGCCCAAGGTGTGGACCCAGGCTCCTTCCACCTCCTTGACACCCATTTGCCAA
 GGCATCAGAGCTCCAGCAACGGCTCCGGGGCACTCAGGATGGGAGCAAGCACTTTGTGAGGTCCCCAAG
 GCCCAGGGCAAGAACATGGGTATGGGCCACGGGCCAGAGGTGCAAGAAGCAAGCCTCCACTGGTACCCA
 CCACCCATACTGTCTCCCCCTCTGCCATCTGGCCACCAGCCAGCCCTTCTCCCACCTGGCACCCCTG
 GGGCACAAAGAAACACAAGCATCGAGCCAAGGAGAGCCAGGCGAGCTGCCGGGGCCTGCAGGGCCCCCTG
 GCTGCAGGAGGCTCCACCGTTCATGGGGCGGAGCAGGTGAGGGAGCTGCCTGCCGTGGTGGTGTACGAGA
 GCCAGGCTGGGCAGGCCCTCCAGAGACCGAACCCATCACCACCACGAACATCACCACCATTACCACCA
 CTTCTATCAGCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207531 representing BC034838
 Red=Cloning site Green=Tags(s)

MGKLHSPAAVCKRRESPEGDSFAVSAAWARKGIEEWIGRQRCPGSVSGPRQLRLAGTVGRGTRELVGDT
 SREALGEEDEDDFPLEVALPPEKIDSLGSGDEKRMERLSEPGQASKKQLKFEELQCDVSVEEDSRQEWTF
 TLYDFDNNKGVTREDITSLHTIYEVVDSVNHSPSSKTLRVKLTVPDGSQSKRSVLFNHTDLQSTRP
 RADTKPAEELRGWEKKQRAPLRFQGDHLEQPDYHHCVDENIERRNHYLDLAGIENYTSQFGPGSPSVA
 QKSELPRI SNPTRSRSEPEAAHVPHRRPQGVDPGSFHLLDTPFAKASELQQRRLGTQDGSKHFVRSK
 AQGKNMGMGHGARGARSKPPLVPTTHTVSPSAHLATSPALLPTLAPLGHKKHKHRAKESQASCRGLQGPL
 AAGGSTVMGREQVRELPVVVYESQAGQAVQRHEHHHHHEHHHHYHFFYQP

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC034838

ORF Size: 1415 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: [BC034838](#), [AAH34838](#)

RefSeq Size: 1765 bp

RefSeq ORF: 1415 bp

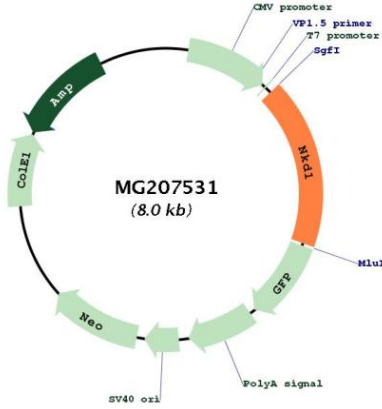
Locus ID: 93960

Cytogenetics: 8 C3

Gene Summary:

Cell autonomous antagonist of the canonical Wnt signaling pathway. May activate a second Wnt signaling pathway that controls planar cell polarity. Required for spermatogenesis. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207531