

Product datasheet for **SC313535**

NKD2 (NM_033120) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NKD2 (NM_033120) Human Untagged Clone
Tag:	Tag Free
Symbol:	NKD2
Synonyms:	Naked2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_033120 edited
 GCACCAGCCCACCTCCGCCCCGCGGCCGTACCTGGCGCCCCCTGGCTCCCCCGGCCCCCG
 CGCGGCGTGGAGCCATCTTCCCTCACCTCTACCGGCACCTAGCTTGCTCCCGGCCCAT
 GCGGCCCCCGCGGGCTCCCGGCCCGGCTTCAGAACTCAGCCCTGCACCTGAGCGCGGGG
 CCCGGCGGGGCGTGGCGGCGGATGGGAAACTGCAGTGAAGCACGCCGCCGCCGCC
 GCAAAGCGGAGAGAGACCCGGAAGGGGACAGCTTCGTGGCGTCCGCGTACGCGAGCGGCC
 ACCCCAAGGAGGGCCTTCCGGGAGGACAGTGTCCCTACAGGTGGCACTCCCGCTG
 AGAAAGCTGAGGGCCGCGAGCACCCGGGACAACCTCTCAGCGCAGATGACGGAGAGAGGG
 CAGCAAACCGCGAGGGCCCGCGAGGACCGGGCGGGCAGCGCTCAACATTGACGCACTCC
 AGTGCGATGTCTCGGTGGAGGAGACGACCGCCAGGAGTGGACGTTACGCTCTATGACT
 TTGACAACTGCGGAAGGTACCCAGGGAGGACATGTCCAGCCTCATGCACACCATCTATG
 AGGTCTGGATGCCTCGGTCAACCACTCCTCGGGCAGCAGCAAGACCCTCCGTGTGAAGC
 TAACCGTCAGCCCTGAGCCCTCCAGCAAGAGGAAGGAGGGTCTCTCTGCTGGCCAGGACC
 GGGAGCCACCCGTTGCAGGATGGAGGGTGAAGTGGCAGAGGAGCAAGGGTGGTGACA
 GGAGGTTGTCTGCACACGTCAGGAGGCCAGTACTGACCCCCAGCCCTGCTCGGAGCGGG
 GGCCTACTGCGTGGACGAGAACACGGAGCGCAGAAACCACTACCTGGACCTCGCCGGGA
 TTGAGAACTACACGTCCAGATTCGGCCCTGGGTCCCCTCTGTGCAAGCAAAGCAGGAGC
 CCCAGGGCAGGGCCTCGCACCTCCAGGCCCGGTCCCGCTCCCAGGAGCCAGATACACATG
 CCGTACACCACCGCAGGTACAGGTGCTGGTGGAAACAGTCGTGCCAGCCTCGGAGCCTG
 CTGCCCGGGCCCTGGACACGACCCCGGCCGAAGGGCCGGAGAAGCAGTTCCTCAAGT
 CCCCCAAGGGCTCCGGGAAGCCGCTGGGTGCCAGCCAGCAGCAAGTCCGGGAAAGCCT
 TCAGTACTACTGCGGCGGTCTGCGCCCCAGGCCCTCAGGACGGCCACCACCTCC
 CGCAGCCCCACCGCCACCTACGGCCACAAGCGGTACCGCCAAAAGGGCAGGGAGGGCC
 ACTCGCCACTCAAGGCCACACGCTCAGCCTGCCACAGTGGAGCACGAGGTGGTGGGG
 ACCTGCCGCCACGCCAGCAGGAGAGGGCTACGCGGTGCCAGTGATCCAGCGGCACGAGC
 ACCACCACCACGAGCACCACCACCACCACCACCACCACCACCCTCCACCCGTCCTAGC
 GCCACTGCCAAGCACACCTCGCTCCAGCACACCAGGCCCGGACCTCAGGGCAGGGAG
 CAGAGCAGCTGCCGGCTGTGTGCCCATGGGGAGCCAGCCCCCA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_033120 unedited
 TCACGATTTGTAACGACTCACTATAGGCGGCCGGAATTCGCACCAGCCACCTCCGCC
 CCGCGGCCGTACCTGGCGCCCCCTGGCTCCCCCGGCCCCCGCGCGGCGTGGAGCCATCTT
 CCCTCACCTCCTACCGGCACCTAGCTTGCTCCCGGCCATGCGGCCCCCGCGGGCTCCC
 GGCCCCGGCTTCAGAACTCAGCCCTGCACCTGAGCGCGGGGCCCGCGGGGCGTGGCGGC
 GGAGGGGACAGCTTCGTGGCGTCCGCGTACGCGAGCGGCCGCAAGGGCAGGAGAGAGCC
 GGAGCGCGCGCGGGACAAGCAGGAGCTGCCAATGGGGACCCCAAGGAGGGGCTTT
 CCGGGAGGACAGTGTCCCTACAGGTGGCACTCCCCGCTGAGAAAGCTGAGGGCCGCA
 GCACCCGGGACAACCTCCTCAGCGCAGATGACGGAGAGAGGGCAGCAAACCGCGAGGGCC
 GCGAGGACCGGGCGGCAGCGCTCAACATTGACGCACTCCAGTGCATGTCTCGGTGGA
 GGAGGACGACCGCAGGAGTGGACGTTACGCTCTATGACTTTGACAACTGCGGGAAGGT
 CACCAGGGAGGACATGTNACGCTCATGCACACCATCTATGAGGTCTGGATGCCTCGGT
 CAACCACTCCTCGGCAGCAGCAAGACCCTCCGTGTGAAGTAACCGTCAGCCCTGNAGC
 CCTCCAGCAGAGAANGGAGGGTCTNCTGCTGGCCAGGACCCGGAGCCACCCTTGCNAG
 ATGGAGGTGAACTGGCANNAGAGCCAGGNTGGCTGACAGNAGGTGTCTGCACCGTCAGGA
 GGCCAGTACTGACCCACCTGCTCGNAGCGGGGCCCTACTGCCTGACGAGACACGNAG
 CGCAAN

Restriction Sites: Please inquire
ACCN: NM_033120

Insert Size:	2050 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_033120.2</u> , <u>NP_149111.1</u>
RefSeq Size:	1798 bp
RefSeq ORF:	1356 bp
Locus ID:	85409
UniProt ID:	<u>Q969F2</u>
Cytogenetics:	5p15.33
Protein Families:	Druggable Genome
Protein Pathways:	Wnt signaling pathway
Gene Summary:	<p>This gene encodes a member of a family of proteins that function as negative regulators of Wnt receptor signaling through interaction with Dishevelled family members. The encoded protein participates in the delivery of transforming growth factor alpha-containing vesicles to the cell membrane. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2012]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>