OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC330922

NKD2 (NM_001271082) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NKD2 (NM_001271082) Human Untagged Clone
Tag:	Tag Free
Symbol:	NKD2
Synonyms:	Naked2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Neo
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001271082, the custom clone sequence may differ by one or more nucleotides

ATGGGGAAACTGCAGTCGAAGCACGCCGCCGCCGCCCGCAAGCGGAGAGAGAGCCCGGAAGGGGACAGCT
TCGTGGCGTCCGCGTACGCGAGCGGCCGCAAAGGCGCGGAGGAAGCGGAGCGGCGCGCGCGGGACAAGCA
GGAGCTGCCCAATGGGGACCCCAAGGAGGGGCCTTTCCGGGAGGACCAGTGTCCCCTACAGGTGGCACTC
CCCGCTGAGAAAGCTGAGGGCCGCGAGCACCCGGGACAACTCCTCAGCGCAGATGACGGAGAGAGGGCAG
CAAACCGCGAGGGCCCGCGAGGACCGGGCGGGCAGCGCCTCAACATTGACGCACTCCAGTGCGATGTCTC
GGTGGAGGAGGACGACCGCCAGGAGTGGACGTTCACGCTCTATGACTTTGACAACTGCGGGAAGGTCACC
AGGGAGGACATGTCCAGCCTCATGCACACCATCTATGAGGTCGTGGATGCCTCGGTCAACCACTCCTCGG
GCAGCAGCAAGACCCTCCGTGTGAAGCTAACCGTCAGCCCTGAGCCCTCCAGCAAGAGGAAGGAGGGTCC
TCCTGCTGGCCAGGACCGGGAGCCCACCCGTTGCAGGATGGAGGGTGAACTGGCAGAGGAGCCAAGGGTG
GCTGACAGGAGGTTGTCTGCACACGTCAGGAGGCCCAGTACTGACCCCCAGCCCTGCTCGGAGCGGGGGC
CCTACTGCGTGGACGAGAACACGGAGCGCAGAAACCACTACCTGGACCTCGCCGGGATTGAGAACTACAC
GTCCAGATTCGGCCCTGGGTCTCAGCTGTGCGAGAAGAGAAGCTCCGCTCCCAGGACACACAGTGGGGAC
AAGGCTAGAGGAGTCGGCCTTTGCAGGGAGCTGTGGAGCCAGGCAGGTCACCCACAGTGGCCAGGCCCCT
TCCCTTCAGGGCTGGTGGCCGTCTGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001271082

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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:	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_001271082.1, NP_001258011.1
RefSeq Size:	2070 bp
RefSeq ORF:	936 bp
Locus ID:	85409
UniProt ID:	Q969F2
Cytogenetics:	5p15.33
Protein Families:	Druggable Genome
Protein Pathways:	Wnt signaling pathway
Gene Summary:	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] Transcript Variant: This variant (2) contains an alternate exon in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.

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