

Product datasheet for SC114569

DKK3 (NM_015881) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DKK3 (NM_015881) Human Untagged Clone
Tag:	Tag Free
Symbol:	DKK3
Synonyms:	REIC; RIG
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114569 sequence for NM_015881 edited (data generated by NextGen Sequencing)

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ATGCAGCGGCTTGGGGCCACCCTGCTGTGCCTGCTGCTGGCGCGGCGGTCCCCACGGCC
CCCGCGCCCGCTCCGACGGCGACCTCGGCTCCAGTCAAGCCCGCCCGGCTCTCAGCTAC
CCGCAGGAGGAGGCCACCCTCAATGAGATGTTCCGCGAGGTTGAGGAACTGATGGAGGAC
ACGCAGCACAATTGCGCAGCGCGGTGGAAGAGATGGAGGCAGAAGAAGCTGCTGCTAAA
GCATCATCAGAAGTGAACCTGGCAAACTTACCTCCCAGCTATCACAATGAGACCAACACA
GACACGAAGGTTGGAAATAATACCATCCATGTGCACCGAGAAATCACAAGATAACCAAC
AACCAGACTGGACAAATGGTCTTTTCAGAGACAGTTATCACATCTGTGGGAGACGAAGAA
GGCAGAAGGAGCCACGAGTGCATCATCGACGAGGACTGTGGGCCAGCATGTAAGTCCAG
TTTGCCAGCTTCCAGTACACCTGCCAGCCATGCCGGGGCCAGAGGATGCTCTGCACCCGG
GACAGTGAGTGCTGTGGAGACCAGCTGTGTGTCTGGGGTCACTGCACAAAATGGCCACC
AGGGGCAGCAATGGGACCATCTGTGACAACCAGAGGGACTGCCAGCCGGGGCTGTGCTGT
GCCTTCCAGAGAGGCCTGCTGTTCCCTGTGTGCACACCCCTGCCCGTGGAGGGCGAGCTT
TGCCATGACCCCGCCAGCCGGCTTCTGGACCTCATCACCTGGGAGCTAGAGCCTGATGGA
GCCTTGGACCGATGCCCTTGTGCCAGTGGCCTCCTCTGCCAGCCCCACAGCCACAGCCTG
GTGTATGTGTGAAGCCGACCTTCGTGGGGAGCCGTGACCAAGATGGGGAGATCCTGCTG
CCCAGAGAGGTCCCCGATGAGTATGAAGTTGGCAGCTTCATGGAGGAGGTGCCCAGGAG
CTGGAGGACCTGGAGAGGAGCCTGACTGAAGAGATGGCGCTGAGGGAGCCTGCGGCTGCC
GCCGCTGCACTGCTGGGAGGGGAAGAGATTTAG

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Clone variation with respect to NM_015881.5



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015881 unedited
 AGGTCAAATTTGTATACGACTCTATAGGCGGCCGGCGAATCGGCACGAGGACAGGCGGC
 GGCTGCGGGCGCAGAGCGGAGATGCAGCGGCTTGGGGCCACCCTGCTGTGCCTGTGCTG
 GCGGCGCGGTCCCCACGGCCCCCGGCCCGCTCCGACGGCGACCTCGGCTCCAGTCAAG
 CCCGGCCCGGCTCTCAGTACCCGACAGGAGGAGCCACCCTCAATGAGATGTTCCGCGAG
 GTTGAGGAACTGATGGAGGACACGCAGCACAAAATTGCGCAGCGGGTGAAGAGATGGAG
 GCAGAAGAAGCTGCTGCTAAAGCATCATCAGAAGTGAACCTGGCAAACCTACCTCCCAG
 TATCACAAATGAGACCAACACAGACACGAAGGTTGGAAATAATACCATCCATGTGCACCGA
 GAAATTCACAAGATAACCAACAACAGACTGGACAAAATGGTCTTTTCAGAGACAGTTATC
 ACATCTGTGGGAGACGAAGAAGGCAGAAGGAGCCACGAGTGCATCATCGACGAGGACTGT
 GGGCCCAGCATGTACTGCCAGTTTGCCAGCTTCCAGTACACCTGCCAGCCATGCCGGGGC
 CAGAGGATGCTCTGCACCCGGGACAGTGAGTGTGTGGAGACCAGCTGTGTGTCTGGGT
 CACTGCACAAAATGGCCACCAGGGGACGAATGGGACCATCTGTGACAACCAGAGGGAC
 TGCCAGCCGGNGCTGTGCTGTGCCTTCCAGAGAGGCTGTGTTCCCTGTGTGCACACC
 CTGCCCGTGGAGGGCAGCTNTGCCATGACCCCGCCAGCCGGCTTCTGGACCTCATCACC
 TGGGAGCTAGAGCCTGATGGAGCCTTGACCGATGCCCTGTGCCAGTGGCCTCCTCTGC
 CAGCCCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015881 unedited
 TGGAGTGTCTTATGCTTGGTTTCTAAAGGCAACTTATGTTTATACATAATTTAAACTCA
 AGNAAAGCATGCTTATACAATCATGTGCAACTTTAACTTTAAGAACTCTGGATGAATAC
 ATGGTGGCAACAGTCCATGACACCTGAAAACATCATTTTGGAGTGGCGTAGAGTTCAGT
 GTTCGCAGTCGCATATTACAACCATGTTTACACAGCCCTGCTCGGTTTGATTTTCTCCA
 CGTGGTTGATAATTGCTTTCAGTTGCTGCTAAGTGATTTTGCAAATTTTACATTTAATCC
 TCGCCCTACAATTACCTAAGTACTGTTTCTGCAGGTTAACCTGTATGCTACGCTCAGTCA
 TATACCTTTCAAAGTTACTAATGCAACTGCCAAAGAGGGACAGTGTCAATATCATTGTCT
 TCATTAGAAGGACGGCTGCCCCACACTGTGAGAACACTGCTGTTCCCTAACAGTAGTTTAC
 TTTTAGAGGGATGTGAGAATTAGTTTGACCTTAATTCAGATGTGCATGCCTCAAAGAA
 AAATCCCATTCTCCTTCTTTTGGGGAGCACTTTTGGTGGACCAAGGCTGGTGTGGGT
 AGTGGAGAGAGCACTGAGCTTAGAGTACAACCAGATGAAACTGCTCTGGTCTTCACTAG
 CTGTGTGACTTGNCAAGCAGCTTGCACTCTGAGCCTCTGAGATCCCTGATGGACGAG
 GAGAACAATGACCCCTCCCAGGCTGTGCTGAGAGAAGGAATTGATCTTGGATATGAAA
 TGCTGCCCTGGCACAGAGTAGGAGCTGAGCACACTGCTGGATGAATANACATNGTATGC
 AGGNNTGACAGNACATTTTCATCTGCACAGCTGAAAGCACAGCTTACCTATGCCCATGGN
 AAGAACTGCGTGNAAAATCCATTTGTGCATTTTGGCAGNNTGATGTTGCAAGCAGGGCA
 CTCTTTTCAATTTTCCCAAACAATCAAGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_015881

Insert Size:

2850 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_015881.5](#), [NP_056965.3](#)

RefSeq Size: 2769 bp

RefSeq ORF: 1053 bp

Locus ID: 27122

UniProt ID: [Q9UBP4](#)

Cytogenetics: 11p15.3

Domains: dickkopf_N

Protein Families: Druggable Genome, Secreted Protein

Gene Summary: This gene encodes a protein that is a member of the dickkopf family. The secreted protein contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. The expression of this gene is decreased in a variety of cancer cell lines and it may function as a tumor suppressor gene. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2, and 3 encode the same protein.