

## Product datasheet for **SC115308**

### DKK3 (NM\_013253) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DKK3 (NM_013253) 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 SC115308 sequence for NM_013253 edited (data generated by NextGen Sequencing)

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ATGCAGCGGCTTGGGGCCACCCTGCTGTGCCTGCTGCTGGCGGCGCGGTCCCCACGGCC
CCCGCGCCCGCTCCGACGGCGACCTCGGCTCCAGTCAAGCCCGCCCGGCTCTCAGCTAC
CCGCAGGAGGAGGCCACCCTCAATGAGATGTTCCGCGAGGTTGAGGAACTGATGGAGGAC
ACGCAGCACAATTGCGCAGCGCGGTGGAAGAGATGGAGGCAGAAGAAGCTGCTGCTAAA
GCATCATCAGAAGTGAACCTGGCAAACCTACCTCCCAGCTATCACAATGAGACCAACACA
GACACGAAGGTTGGAAATAATACCATCCATGTGCACCGAGAAATCACAAGATAACCAAC
AACCAGACTGGACAAATGGTCTTTTCAGAGACAGTTATCACATCTGTGGGAGACGAAGAA
GGCAGAAGGAGCCACGAGTGCATCATCGACGAGGACTGTGGGCCAGCATGTAAGTCCAG
TTTGCCAGCTTCCAGTACACCTGCCAGCCATGCCGGGGCCAGAGGATGCTCTGCACCCGG
GACAGTGAGTGCTGTGGAGACCAGCTGTGTGTCTGGGGTCACTGCACAAAATGGCCACC
AGGGGCAGCAATGGGACCATCTGTGACAACCCAGAGGGACTGCCAGCCGGGGCTGTGCTGT
GCCTTCCAGAGAGGCCTGCTGTTCCCTGTGTGCACACCCCTGCCCGTGGAGGGCGAGCTT
TGCCATGACCCCGCCAGCCGGCTTCTGGACCTCATCACCTGGGAGCTAGAGCCTGATGGA
GCCTTGGACCGATGCCCTTGTGCCAGTGGCCTCCTCTGCCAGCCCCACAGCCACAGCCTG
GTGTATGTGTGAAGCCGACCTTCGTGGGGAGCCGTGACCAAGATGGGGAGATCCTGCTG
CCCAGAGAGGTCCCCGATGAGTATGAAGTTGGCAGCTTCATGGAGGAGGTGCCCAGGAG
CTGGAGGACCTGGAGAGGAGCCTGACTGAAGAGATGGCGCTGAGGGAGCCTGCGGCTGCC
GCCGCTGCACTGCTGGGAGGGGAAGAGATTTAG
```

Clone variation with respect to NM\_013253.4



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_013253 unedited  
 GNCGGCACGCGCAATTCGGCACGAGGGCTCCCTCGGTACCGGCGCTGCCGCACCCCGCC  
 GCGCTCCCGCACCCGCGGCCCGCCACCGCGCCGCTCCCGCATCTGCACCCGAGCCCGG  
 CGGCTCCCGGCGGGAGCGAGCAGATCCAGTCCGGCCCGCAGCGCAACTCGGTCCAGTCG  
 GGGCGGCGGTGCGGGGCGAGAGCGGAGATGCAGCGGCTTGGGGCCACCCTGCTGTGCT  
 GCTGCTGGCGGCGGCGGTCCCCACGGCCCCCGCGCCGCTCCGACGGCGACCTCGGCTCC  
 AGTCAAGCCCCGCGCGGTCTCAGCTACCCGACGAGGAGGCCACCCTCAATGAGATGTT  
 CCGCGAGGTTGAGGAACTGATGGAGGACACGACGACAAAATTGCGCAGCGCGGTGGAAGA  
 GATGGAGGCAGAAGAAGTGCTGCTAAAGCATCATCAGAAGTGAACCTGGCAAACCTTACC  
 TCCCAGCTATCACAATGAGACCAACACAGACACGAAGGTTGAAAATAATACCATCCATGT  
 GCACCGAGAAATTCACAAGATAACCAACAACCAGACTGGACAAATGGTCTTTTCAGAGAC  
 AGTTATCACATCTGTGGGAGACGAAGAAGGCAGAAGGAGCCACGAGTGCATCATCGACGA  
 GACTGTGGGCCAGCATGTACTGCCAGTTTCCAGCTTCCAGTACACCTGCCAGCCATG  
 CCGGGGGCCAGAGATGCTCTGCACCCGGACAGTGAGTGTGTGGAGACCAGCTGTGTGT  
 CTGGGGTCACTGCACAAATGGCCACCAGGGCAGCAATGGCCATCTGTGACAACAGAGG  
 GACTGCCAGCCCGGCTGTGCTGTGCCTTC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_013253 unedited  
 CCCGCGCGCAATCTATAGTCGAGTTTTTTTTTTTTTTTTTTTGGCAGTTGAAGTGATTT  
 ATGCTTGATTTCTAAATGCAACTTATGTTTATACATAATTTAAACTCAAAGAAAGCATG  
 CTTATAACAATCATGTGCAACTTTAAACTTTAAGAACTCTGGATGAATACATGGTGGCAAC  
 AGTCCATGACACCTGAAAACATCATTTGTGGAGTGGCGTAAAGTTCAGTGTTCGAGTCG  
 CATATTACAACCATGTTTACACAGCCCTGCTCGGTTTGATTTTCTCCAGTGGTTGATA  
 ATTGGCTTCAGTTGCTGCTAAGTGATTTTGCAAATTTTATTTATAATCCTCGCCCTACAA  
 TTACCTAAGTACTGTTTCTGCAGTTAACCTGTATGCTACGCTCAGTCATATACCTTTCA  
 AAGTTACTTAATGCAACTGCCAAAGAGGGACAGCGTCAATATCATTGTCTTCATTAAGG  
 GACCGTTGCCACACTGTGAGAACTGCTGTTCTTAACAGTAATTTACTTTTTAGAGG  
 GATGTGAGAACTTTGACCTAATTTTCAAGGGCTTGCCCTCAAAGAAAATCCAATT  
 CTTCTTCTTTTGGGGAGCCTTCTTTGGCGGCACCAAGGCTGCTTGTGCGGGAATGGG  
 ACAAAACCCTGTCTTTATAATCCCAAACAGAGAACTCGGCTGGTCTCACTAACTG  
 GGAAACTTGGCCAACCACTGTAATTTTACCCCTCCTAAATCCCGATGGACCAGGAAAC  
 ATATACCCCTTCCAAGTCTTGCCGTAAGAAGGAAATAGACTTGGTAATAAATGGTTA  
 CTTGTAACAAAGTTCAAACCAAAAACCTGCCTGTGAAAACCCACACCTCCTGCCGTGGA  
 ACATATACTTCTCTT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_013253

**Insert Size:**

2680 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_013253.4</a> , <a href="#">NP_037385.2</a>
<b>RefSeq Size:</b>	2755 bp
<b>RefSeq ORF:</b>	1053 bp
<b>Locus ID:</b>	27122
<b>UniProt ID:</b>	<a href="#">Q9UBP4</a>
<b>Cytogenetics:</b>	11p15.3
<b>Domains:</b>	dickkopf_N
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 3 encode the same protein.</p>