

## Product datasheet for **SC320722**

### **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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_013253.4  
 CGACGCCAAGGGGAGGGGCTGACCTGTGCTTGGTCCACCCAGGTAGGGGCTGAGAGAG  
 GCTTGAGGTGGAAGTGGGGTCGGGCACTCTGACCTGGTCGAGGAGGGGCTAGGGTTTAA  
 CCGGGGACAGAGTCTAGGTGAGCTGGGGCTTGGGAGCTATTAGCGTAGAGGATCCGGGT  
 CGGTTGCTCTGGCGAGGGCTCCAGCATCACAGGCGGCGGCTGCGGGCGCAGAGCGGAGAT  
 GCAGCGGCTTGGGGCCACCCTGCTGTGCCTGCTGCTGGCGGCGGCGGTCCCCACGGCCCC  
 CGCGCCGCTCCGACGGCGACCTCGGCTCCAGTCAAGCCCGGCGCGGCTCTCAGTACCC  
 GCAGGAGGAGGCCACCCTCAATGAGATGTTCCGCGAGGTTGAGGAACGTATGGAGGACAC  
 GCAGCACAAATTGCGCAGCGCGGTGGAAGAGATGGAGGCAGAAGAAGCTGCTGCTAAAGC  
 ATCATCAGAAGTGAACCTGGCAAACCTTACCTCCAGCTATCACAATGAGACCAACACAGA  
 CACGAAGTTGGAATAATACCATCCATGTGCACCGAGAAATCACAAGATAACCAACAA  
 CCAGACTGGACAAATGGTCTTTTCAGAGACAGTTATCACATCTGTGGGAGACGAAGAAG  
 CAGAAGGAGCCACGAGTGCATCATCGACGAGGACTGTGGGCCAGCATGTACTGCCAGTT  
 TGCCAGCTTCCAGTACACCTGCCAGCCATGCCGGGGCCAGAGGATGCTCTGCACCCGGGA  
 CAGTGAGTGTGTGGAGACCAGCTGTGTGTCTGGGGTCACTGCACCAAAATGGCCACCAG  
 GGGCAGCAATGGGACCATCTGTGACAACAGAGGGACTGCCAGCCGGGGCTGTGTGTGC  
 TTCCAGAGAGGCTGCTGTTCCCTGTGTGCACACCCCTGCCCGTGGAGGGCGAGCTTTG  
 CCATGACCCCGCCAGCCGGCTTCTGGACCTCATCACCTGGGAGCTAGAGCCTGATGGAGC  
 CTTGGACCGATGCCCTTGTGCCAGTGGCCTCCTCTGCCAGCCCCACAGCCACAGCCTGGT  
 GTATGTGTGCAAGCCGACCTTCGTGGGGAGCCGTGACCAAGATGGGGAGATCCTGCTGCC  
 CAGAGAGGTCCCCGATGAGTATGAAGTTGGCAGCTTATGGAGGAGGTGCCCCAGGAGCT  
 GGAGGACTGGAGAGGAGCCTGACTGAAGAGATGGCGCTGGGGGAGCCTGCGGCTGCCGC  
 CGCTGCAGTGTGGGAGGGGAAGAGATTTAGATCTGGACCAGGCTGTGGGTAGATGTGCA  
 ATAGAAAATAGCTAATTTATTTCCCCAGGTGTGTGCTTTAGGCGTGGGCTGACCAGGCTT  
 TTCTACATCTTCTTCCAGTAAGTTTCCCTCTGGCTTGACAGCATGAGGTGTTGTGCA  
 TTTGTTACAGTCCCCAGGCTGTTCTCCAGGCTTACAGTCTGGTCTGGGAGAGTCAG  
 GCAGGGTTAAACTGCAGGAGCAGTTTGCCACCCCTGTCCAGATTATTGGCTGCTTTGCC  
 CTACCAGTTGGCAGACAGCCGTTTGTCTACATGGCTTTGATAATTGTTTGGGGGAGGA  
 GATGGAAAACATGTGGAGTCTCCCTCTGATTGGTTTTGGGGAAAATGTGGAGAAGAGTGCC  
 CTGCTTTGCAAAACATCAACCTGGCAAAAATGCAACAAATGAATTTCCACGCAGTCTTT  
 CCATGGGCATAGGTAAGCTGTGCCTTCCAGCTGTTGCAGATGAAATGTTCTGTTCCACCTG  
 CATTACATGTGTTTATTATCCAGCAGTGTGCTCAGCTCCTACCTCTGTGCCAGGGCAG  
 CATTTCATATCCAAGATCAATTCCTCTCTCAGCACAGCCTGGGGAGGGGGTCAATTGTT  
 CTCCTCGTCCATCAGGGATCTCAGAGGCTCAGAGACTGCAAGCTGCTTGCCCAAGTCACA  
 CAGCTAGTGAAGACCAGAGCAGTTTCTACTGGTTGTGACTCTAAGCTCAGTGCTCTCTCC  
 ACTACCCACACCAGCCTTGGTGCCACCAAAAGTGCTCCCCAAAAGGAAGGAGAATGGGA  
 TTTTTCTTTTGGGCATGCACATCTGGAATTAAGGTCAAATAATTCTCACATCCCTCTA  
 AAAGTAACTACTGTTAGGAACAGCAGTGTCTCACAGTGTGGGGCAGCCGCTCTCTAA  
 TGAAGACAATGATATTGACACTGTCCCTCTTTGGCAGTTGCATTAGTAACTTTGAAAGGT  
 ATATGACTGAGCGTAGCATACAGGTTAACCTGCAGAAACAGTACTTAGGTAATTGTAGGG  
 CGAGGATTATAAATGAAATTTGCAAAATCACTAGCAGCAACTGAAGACAATTATCAACC  
 ACGTGGAGAAAATCAAACCGAGCAGGGCTGTGTGAAACATGGTTGTAATATGCGACTGCG  
 AACACTGAACTCTACGCCACTCCACAAATGATGTTTTTCAGGTGTCATGGACTGTTGCCAC  
 CATGTATTATCCAGAGTTCTTAAAGTTTAAAGTTGCACATGATTGTATAAGCATGCTTT  
 CTTTGAGTTTTAAATTATGTATAAACATAAGTTGCATTTAGAAAATCAAGCATAAATCACT  
 TCAACTGCTAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_013253

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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>