

## Product datasheet for **RG200199**

### DKK3 (NM\_013253) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DKK3 (NM_013253) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DKK3
Synonyms:	REIC; RIG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200199 representing NM_013253 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGCGGCTTGGGGCCACCCTGCTGTGCCTGCTGCTGGCGGCGCGGTCCCCACGGCCCCGCGCCCG  
CTCCGACGGCGACCTCGGCTCCAGTCAAGCCCGGCCGGCTCTCAGTACCCGCAGGAGGAGGCCACCCT  
CAATGAGATGTTCCGCGAGGTTGAGGAAGTGGAGGACACGCAGCACAAATTGCGCAGCGCGGTGGAA  
GAGATGGAGGCAGAAGAAGCTGCTGCTAAAGCATCATCAGAAGTGAACCTGGCAAACCTACCTCCCAGT  
ATCACAATGAGACCAACACAGACACGAAGTTGGAAATAATACCATCCATGTGCACCGAGAAATTCACAA  
GATAACCAACAACCAGACTGGACAAATGGTCTTTTCAGAGACAGTTATCATATCTGTGGGAGACGAAGAA  
GGCAGAAGGAGCCACGAGTGCATCATCGACGAGGACTGTGGGCCAGCATGTACTGCCAGTTTGCCAGCT  
TCCAGTACACCTGCCAGCCATGCCGGGGCCAGAGGATGCTCTGCACCCGGGACAGTGAAGTGTGGAGA  
CCAGCTGTGTGTCTGGGGTCACTGCACCAAAATGGCCACCAGGGGCGAGCAATGGGACCATCTGTGACAAC  
CAGAGGGACTGCCAGCCGGGGTGTGCTGTGCCTTCCAGAGAGGCTGCTGTTCCCTGTGTGCACACCCC  
TGCCCGTGGAGGGCGAGCTTTGCCATGACCCCGCCAGCCGGCTTCTGGACCTCATACCTGGGAGCTAGA  
GCCTGATGGAGCCTTGGACCGATGCCCTTGTGCCAGTGGCCTCCTCTGCCAGCCCCACAGCCACAGCCTG  
GTGTATGTGTGCAAGCCGACCTTCGTGGGGAGCCGTGACCAAGATGGGGAGATCCTGCTGCCAGAGAGG  
TCCCCGATGAGTATGAAGTTGGCAGCTTCATGGAGGAGGTGCCAGGAGCTGGAGGACCTGGAGAGGAG  
CCTGACTGAAGAGATGGCGCTGGGGGAGCCTGCGGCTGCCCGCTGCACTGCTGGGAGGGGAAGAGATT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG200199 representing NM\_013253  
Red=Cloning site Green=Tags(s)

MQRLGATLLCLLLAAAVPTAPAPAPTATSAPVKPGPALSYQEEATLNEMFREVEELMEDTQHKLRSAVE  
 EMEAEAAAKASSEVNLANLPPSYHNETNTDTKVGNNIIVHREIHKITNNQTGQVMVSETVITSVGDEE  
 GRRSHECIIDEDCGPSMYCQFASFQYTCQPCRQMLCTRSECCGDQLCVWGHCTKMATRGSNGTICDN  
 QRDCQPLCCAFQRGLLFPVCTPLPVEGELCHDPASRLLDLITWELEPDGALDRPCASGLLCQPHSHSL  
 VYVCKPTFVGSRDQGEILLPREVPDEYEVGSFMEEVRQELEDLERSLTEEMALGEPAAAAAALLGEEI

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_013253

**ORF Size:** 1050 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_013253.2](#)

**RefSeq Size:** 2755 bp

**RefSeq ORF:** 1053 bp

**Locus ID:** 27122

**UniProt ID:** [Q9UBP4](#)

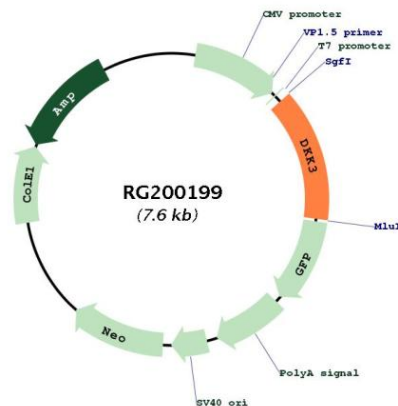
**Cytogenetics:** 11p15.3

**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]

### Product images:



Circular map for RG200199