

## Product datasheet for **RC205209**

### **DKKL1 (NM\_014419) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DKKL1 (NM_014419) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DKKL1
Synonyms:	CT34; SGY; SGY-1; SGY1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205209 representing NM_014419 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGGAGAAGCCTCCCCACCTGCCCCCGCAAGGCGGCATCTGCTGGTCTGCTGCTGCTCCTCTCTACCC  
TGGTGATCCCCTCCGCTGCAGCTCTATCCATGATGCTGACGCCAAGAGAGCTCCTTGGGTCTCACAGG  
CCTCCAGAGCCTACTCCAAGGCTTCAGCCGACTTTTCTGAAAGGTAACCTGCTTCGGGGCATAGACAGC  
TTATTCTCTGCCCCATGGACTTCGGGGCCTCCCTGGGAATACCACAAAGAGGAGAACCAGGAGCACC  
AGCTGGGGAACAACACCCTCTCCAGCCACCTCCAGATCGACAAGATGACCGACAACAAGACAGGAGAGGT  
GCTGATCTCCGAGAATGTGGTGGCATCCATTCAACCAGCGGAGGGGAGCTTCGAGGGTGATTTGAAGGTA  
CCCAGGATGGAGGAGAAGGAGGCCCTGGTACCCATCCAGAAGGCCACGGACAGCTTCCACACAGAACTCC  
ATCCCCGGGTGGCCTTCTGGATCATTAAGCTGCCACGGCGGAGGTCCCACCAGGATGCCCTGGAGGGCGG  
CCACTGGCTCAGCGAGAAGCGACACCGCTGCAGGCCATCCGGGATGGACTCCGCAAGGGGACCCACAAG  
GACGTCTAGAAGAGGGGACCGAGAGCTCCTCCCACTCCAGGCTGTCCCCCGAAAGACCACTTACTGT  
ACATCCTCAGGCCCTCTCGGCAGCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC205209 representing NM\_014419  
Red=Cloning site Green=Tags(s)

MGEASPPAPARRHLLVLLLLLSTLVIPSAAAPIHDADAQESSLGLTGLQSLQGF SRLFLKGNLLRGIDS  
 LFSAPMDFRGLPGNYHKEENQEHQLGNNTLSSHLQIDKMTDNKTGEVLI SENVVASIQPAEGSFEGDLKV  
 PRMEEKEALVPIQKATDSFHTELHPRVAFWIIKLP RRRSHQDALEGGHWLSEKRHRLQAIRDGLRKGTHK  
 DVLEEGTESSHSRLSPRKTHLLYL RPSRQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_014419

**ORF Size:** 726 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\\_014419.4](#)

**RefSeq Size:** 1034 bp

**RefSeq ORF:** 729 bp

**Locus ID:** 27120

**UniProt ID:** [Q9UK85](#)

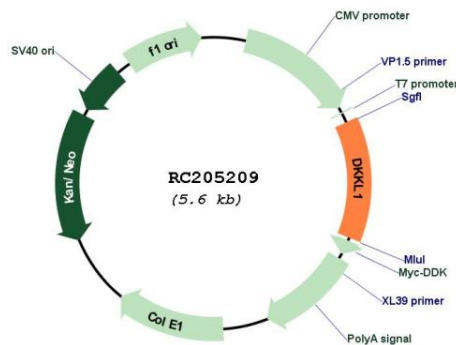
**Cytogenetics:** 19q13.33

**Protein Families:** ES Cell Differentiation/IPS, Secreted Protein, Transmembrane

**MW:** 27.01 kDa

**Gene Summary:** The dickkopf protein family interacts with the Wnt signaling pathway and its members are characterized by two conserved cysteine-rich domains. This gene encodes a secreted protein that has low sequence similarity to the dickkopf-3 protein. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Oct 2010]

### Product images:



Circular map for RC205209