

Product datasheet for **RG205209**

DKKL1 (NM_014419) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DKKL1 (NM_014419) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DKKL1
Synonyms: CT34; SGY; SGY-1; SGY1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG205209 representing NM_014419
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGAAGCCTCCCCACCTGCCCCCGCAAGGCGGCATCTGCTGGTCTGCTGCTGCTCCTCTCTACCC
TGGTGATCCCCTCCGCTGCAGCTCCTATCCATGATGCTGACGCCAAGAGAGCTCCTTGGGTCTCACAGG
CCTCCAGAGCCTACTCCAAGGCTTCAGCCGACTTTTCTGAAAGGTAACCTGCTTCGGGGCATAGACAGC
TTATTCTCTGCCCCATGGACTTCGGGGCCTCCCTGGGAATACCACAAAGAGGAGAACCAGGAGCACC
AGCTGGGGAACAACACCCTCTCCAGCCACCTCCAGATCGACAAGATGACCGACAACAAGACAGGAGAGGT
GCTGATCTCCGAGAATGTGGTGGCATCCATTCAACCAGCGGAGGGGAGCTTCGAGGGTGATTTGAAGGTA
CCCAGGATGGAGGAGAAGGAGGCCCTGGTACCCATCCAGAAGGCCACGGACAGCTTCCACACAGAACTCC
ATCCCCGGGTGGCCTTCTGGATCATTAAGCTGCCACGGCGGAGGTCCCACCAGGATGCCCTGGAGGGCGG
CCACTGGCTCAGCGAGAAGCGACACCGCCTGCAGGCCATCCGGGATGGACTCCGCAAGGGGACCCACAAG
GACGTCTAGAAGAGGGGACCGAGAGCTCCTCCCACTCCAGGCTGTCCCCCGAAAGACCACTTACTGT
ACATCCTCAGGCCCTCTCGGCAGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205209 representing NM_014419
Red=Cloning site Green=Tags(s)

MGEASPPAPARRHLLVLLLLLSTLVIPSAAAPIHDADAQESSLGLTGLQSLQGF SRLFLKGNLLRGIDS
 LFSAPMDFRGLPGNYHKEENQEHLGNNTLSSHLQIDKMTDNKTGEVLI SENVVASIQPAEGSFEGDLKV
 PRMEEKEALVPIQKATDSFHTELHPRVAFWIIKLP RRRSHQDALEGGHWLSEKRHRLQAIRDGLRKGTHK
 DVLEEGTESSHSRLSPRKTHLLYL RPSRQL

TRTRPLE - GFP Tag - V

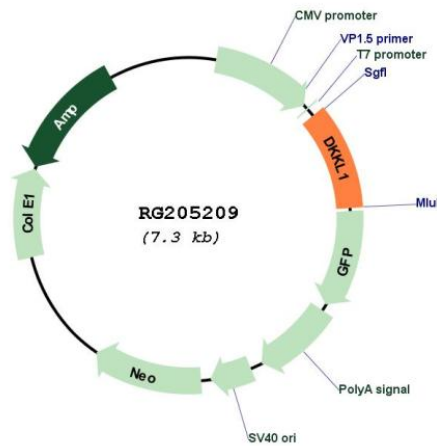
Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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:	<ol style="list-style-type: none">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
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]