

Product datasheet for **RG213096**

DCLK3 (NM_033403) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCLK3 (NM_033403) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DCLK3
Synonyms:	CLR; DCAMKL3; DCDC3C; DCK3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG213096 representing NM_033403
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCAAGAACCCTGACACTGAAGAGCATTACAGTGGCTGTAGAAGAACTGTACCCCAACAAGCCC
 GGCCCTGACACTGGCCAGCACAGCCGTGCCCTTCTCAAGGCTGAGGAGCAGGCTGTTTAGCAAGGC
 TCTGAAAGGAGACCACCGCTGTGGGAGACCGAGACCCCAAGAGCTGCAGCGAAGTTGCAGGATGCAAG
 GCAGCCATGAGGCACCAGGGGAAGATCCCCGAGGAGCTTTCCTAGATGACAGAGCGAGGACCCAGAAGA
 AGTGGGGGAGGGGAAATGGGAGCCAGAACCAGTAGCAAGCCCCCAGGGAAAGCCACTCTGGAAGAGAG
 GCACGCAAGGGGAGAGAAGCATCTTGGGGTGGAGATTGAAAAGACCTCGGGTCAAATTATCAGATGCGAG
 AAGTCAAGAGAGAGAGGGAGCTCCAGCAGAGCCTGGAGCGTGAGAGGCTTCTCTGGGGACCAGTGAGC
 TGGATATGGGAAAGGCCAATGTATGATGTGGAGAAGCTGGTGAGGACCAGAAGCTGCAGGAGGTCTCC
 CGAGGCAATCCTGCAAGTGGGAGGAAGGGTGAAGGGTGACAGCCACAGGAGCAGCCCCAGGAATCCC
 ACTCAAGAGCTGAGGAGACCCAGCAAGAGCATGGACAAGAAAGAGGACAGAGGCCAGAGGATCAAGAAA
 GCCATGCTCAGGGAGCAGCCAAGGCCAAGAAGGACCTTGTGGAAGTTCTTCTGTACAGAGGAGGGGCT
 GAGGGAGGTGAAGAAGGACACCAGGCCATGAGCAGGAGCAAACATGGTGGCTGGCTCCTGAGAGAGCAC
 CAGGCGGGCTTTGAGAAGCTCCGCAGGACCCGAGGAGAAGAGAAGGAGGCCAGAGAAGGAGAAAAAGCCAT
 GTATGTCTGGAGGCAGAAGGATGACTCTCAGAGATGACCAACCTGCAAAGCTAGAAAAGGAGCCCAAGAC
 GAGGCCAGAAGAGAACAAGCCAGAGCGGCCAGCGGTGGAAGCCACGGCCCATGGGCATCATTGCCGCC
 AATGTGGAAAAGCATTATGAGACTGGCCGGTCAATGGGGATGGAACTTTGCTGTGTAAGGAGTGCA
 GACACCCGAGACCAGGACGGCCTATGCGATGAAGATCATTGACAAGTCCAGACTCAAGGGCAAGGAGGA
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 TAGAAAGTGTGAAGTTCCCGAGCCCGATGCTGCCCTCATGATCATGGACTTATGCAAAGCCCTCGTCCA
 CATGCACGACAAGAGCATTGTCCACCGGACCTCAAGCCGAAAAACCTTTTGGTTCAGCGAAATGAGGAC
 AAATCTACTACCTTGAATTTGGCTGATTTTGGACTTGCAAAGCATGTGGTGGAGACCTATATTTACTGTGT
 GTGGGACCCCACTTACGTAGCTCCCGAAATCTTTCTGAGAAAGGTTATGGACTGGAGGTGGACATGTG
 GGCTGTGGCGTGATCCTCTATATCCTGTGTGTGGCTTCCCCCATTCCGCAGCCCTGAGAGGGACCAG
 GACGAGCTCTTTAACATCATCCAGCTGGGCCACTTTGAGTTCCTCCCCCTTACTGGGACAAATCTCTG
 ATGCTGTAAAGATCTGGTGAGCCGTTGCTGGTGGTAGACCCCAAAAAGCGCTACACAGCTCATCAGGT
 TCTTCAGCACCCCTGGATCGAAACAGCTGGCAAGCAATACAGTGAAACGACAGAAGCAGGTGTCCCC
 AGCAGCGAGGGTCACTTCCGGAGCCAGCACAAAGAGGGTTGTGGAGCAGGTATCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG213096 representing NM_033403
 Red=Cloning site Green=Tags(s)

MGKEPLTKLSIQVAVEELYPNKARALTLAQHSRAPSPRLRSRLF SKALKGDHRCGETETPKSCSEVAGCK
 AAMRHQGIPEELSLDDRARTQKKWGRGKWEPEPSSKPPREATLEERHARGEKHLGVEIEKTSGEIIRCE
 KCKRERELQQSLERERLSLGTSELDMGKGPYDVEKLVTRSCRSPPEANPASGEEGWKGDHRSSPRNP
 TQELRRPSKSMKKEDRGPEDQESHQAQAAKAKKDLVEVLPVTEEGLREVKKDTRPMSRSKHGGWLLREH
 QAGFEKLRRTRGEKEAEKEKKPCMSGGRRMTLRDDQPAKLEKEPKTRPEENKPERPSGRKPRPMGIIAA
 NVEKHYETGRVIGDNFAVVKECRHRERTRQAYAMKIIDKSRKKGKEDMVDSEILIIQSLSHPNIVKLHEV
 YETDMEIYLILEYVQGGDLFDAIIESVKFPEPDAALMIMDLCKALVHMHDKSIIVHRDLKPENLLVQRNED
 KSTTLKLADFLAKHVVRPIFTVCGTPTVVAPEILSEKGYGLEVDMWAAGVILYILLCGFPPFRSPERDQ
 DELFNIIQLGHFEFLPPYWDNISDAAKDLVSRLLVVDPKKRYTAHQVLQHPWIETAGKNTNPKRQKQVSP
 SSEGHFRSQHKRVVEQVS

TRTRPLE – GFP Tag – V

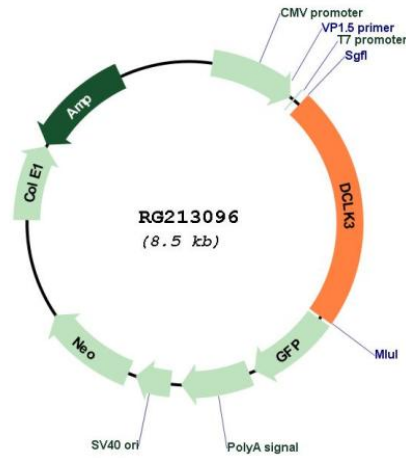
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_033403

ORF Size: 1944 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_033403.1 , NP_208382.1
RefSeq Size:	5344 bp
RefSeq ORF:	1947 bp
Locus ID:	85443
UniProt ID:	Q9C098
Cytogenetics:	3p22.2
Protein Families:	Druggable Genome, Protein Kinase