

Product datasheet for **SC323628**

DCLK3 (NM_033403) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCLK3 (NM_033403) Human Untagged Clone
Tag:	Tag Free
Symbol:	DCLK3
Synonyms:	CLR; DCAMKL3; DCDC3C; DCK3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC323628 sequence for NM_033403 edited (data generated by NextGen Sequencing)

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ATGGGCAAAGAACCCTGACTGAAAGAGCATTGAGTGGCTGTAGAAGAACTGTACCCC
AACAAAGCCCGGGCCCTGACTGGCCAGCACAGCCGTGCCCTTCTCCAAGGCTGAGG
AGCAGGCTGTTTAGCAAGGCTCTGAAAGGAGACCACCGCTGTGGGAGACCGAGACCCCC
AAGAGCTGCAGCGAAGTTGCAGGATGCAAGGCAGCCATGAGGCACCAGGGGAAGATCCCC
GAGGACTTTTACTAGATGACAGAGCGAGGACCCAGAAGAAGTGGGGGAGGGGAAATGG
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AAGTGCAAGAGAGAGAGGGGAGCTCCAGCAGAGCCTGGAGCGTGAGAGGCTTTCTCTGGG
ACCAGTGAGCTGGATATGGGGAAGGGCCCAATGTATGATGTGGAGAAGCTGGTGAGGACC
AGAAGCTGCAGGAGGTCTCCGAGGCAAATCCTGCAAGTGGGAGGAAGGGTGAAGGGT
GACAGCCACAGGAGCAGCCCCAGGAATCCCACTCAAGAGCTGAGGAGACCCAGCAAGAGC
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CAGCGGGCTTTGAGAAGCTCCGAGGACCCGAGGAGAAGAGAAGGAGGCAGAGAAGGAG
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GCCTATGCGATGATGATCATTGACAAGTCCAGACTCAAGGGAAGGAGGACATGGTGGAC
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GACGCCATCATAGAAAGTGTGAAGTTCCCGAGGCCGATGCTGCCCTCATGATCATGGAC
TTATGCAAAGCCCTCGTCCACATGCACGACAAGAGCATTGTCCACCGGGACCTCAAGCCG
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GGACTTGCAAAGCATGTGGTGAGACCTATATTTACTGTGTGGGACCCCACTTACGTA
GCTCCCGAAATCTTTCTGAGAAAGTTATGGACTGGAGGTGGACATGTGGGCTGCTGGC
GTGATCCTCTATATCCTGCTGTGTGGCTTTCCCCATTCCGAGCCCTGAGAGGGACCAG
GACGAGCTCTTTAACATCATCCAGCTGGGCCACTTTGAGTTCCTCCCCCTTACTGGGAC
AATATCTCTGATGCTGCTAAAGATCTGGTGAGCCGTTGCTGGTGGTAGACCCCAAAAAG
CGTACACAGCTCATCAGTTCTTCAGCACCCCTGGATCGAAAACAGCTGGCAAGACCAAT
ACAGTGAAACGACAGAAGCAGGTGTCCCCCAGCAGCGAGGGTCACTTCCGGAGCCAGCAC
AAGAGGGTTGTGGAGCAGGTATCATAG
    
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Clone variation with respect to NM_033403.1
 1154 a=>t

5' Read Nucleotide Sequence:	>OriGene 5' read for mutant NM_033403 unedited CCCGCCCGTTGAGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGA ACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGTGGCCTTCACTCA GCACATCCTGAGGACAGCCCTCTGAAGCCCAGGGTCGTGACCGTAGTGAAGCTGGGTGGGAGCGCCCG GAAAGATCACTCTGCTCCTCAACAGGCGATCAGTGCAGACGTTTCGAGCAGCTCTTAGCTGACATCTCAGA AGCCTTGGGCTCTCCAGATGGAAGAATGACCGTGTGAGGAACTGTTTAACTCAAGGGGCAGGGAAGT CAGGGAGCGTCTCTGATTTCTTCAGGGAAGGGGATGCTTTTCATAGCTATGGGCAAGACCCTGACCAC TGAAGAGCATTACAGGTGGGCTTGTGGAAGACTGGTACCCACAAAGCCCGGGCCTGGACCTGCCCG GCACAGCCGTGCCCTTTTCCAAGCTGAGGAGCAGGCTTGTACCAGGGCTCTAAAGGGAAACAACCGC GTGGGGGAGACAAAACCCCAAACCTGCACAAATTTGAGGATGCAGGGCACCTTGAGGCCAGGGAAA AATCCCAGAGAGCTTTACTTAATGAGACAGACCGGACCCGAGAAATGGGAGGGGAAAAATGGGCCCTAA CCCTGACCAGCCCCAAGAGACCACTCTGAAAAGGCACCAGGGGAGAAACCCTCTGGGTGGAATTGAGAG ACTCGTGGAAATCTATGCAAGTCCGAGAAGAGCTCCCGACCTGCCGTAGCTCTGGGCATAGCGGATT GGAAGCCAGTGTATGTGAACTTGTACTAGGCGGAGGTGT
Kinase Domain Sequence:	>SC323628 kinase domain raw sequence. By performing BLASTX analysis with this sequence against NCBI reference protein database, you can confirm the presence of the kinase-deficient mutation AGAAGATCATTGGGGWGGGACTTTGCTGTCGTGAAGGAGTGCAGACACCGCGAGACCAGGCAGGCCTATG CGATGATGATCATTGACAAGTCCAGACTCAAGGGCAAGGAGGACATGGTGGACAGTGAGATCTTGATCAT CCAGAGCCTCTCACCCCAACATCGTGAATTGCATGAAGTCTACGAAACAGACATGGAATCTACCTG ATCCTGGAGTACGTGCAGGGAGGAGACCTTTTTGACGCCATCATA
Restriction Sites:	Please inquire
ACCN:	NM_033403
OTI Disclaimer:	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).
OTI Annotation:	This kinase-deficient mutant clone was generated by created by site-directed mutagenesis from the corresponding wild-type clone. See details in "Application of active and kinase-deficient kinome collection for identification of kinases regulating hedgehog signaling." Cell, 2008 May p536-548.
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