

## Product datasheet for **MC218040**

### **Dclk3 (BC056929) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dclk3 (BC056929) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dclk3
Synonyms:	BC056929; C730036H08; Dcamkl3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >BC056929  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGCAAGAGCCGCTGACATTGAAGAGTATCCAGTTGGCCATGGAGGAGCTGTATCCTAAGAACCGGG  
 CTCTTGCCCTGGCCCTCACAGTAGAGTCCCTCCCAAGGCTGAGAAGCAGACTTCCCAGCAAGCTTCT  
 GAAAGGAAGTCACCGCTGTGGGGAGGCAGGAAGCTATAGCGCGGAAATGGAGAGTAAAGCAGTCTTAGG  
 CATCAGGGCAAGACTTCCACAGTGTGGCCCGAGAAAGCAAGGCGAGGGCCAGAAAGTGGTAAGAGGGA  
 AACAGGAGTCAGAACCTGGTGGCCCGCTTACCCGGGGCAGCCACTCAGGAGGAGACTCATGCAAGTGG  
 AGAGAAACATCTGGGGTGGAGATCGAAAAGACCTCCGGGGAGATTGTCAGATGTGAGAAGTGAAGAGA  
 GAAAGAGAGCTGCAGTTGGCCCTGCAGAGGGAGCCGTGCCGCTGGGAACAGTGCAGTGGACCTGGGGA  
 GAGCTCAGAAGAGGGATTCCGAGAAGTTGGTGAAGACCAAGAGCTGCAGGAGGCCCTCTGAGGCAAAATC  
 TACAGATGGAGAGGAAGGGTGAAGGGTGAAGGGTGCAGCCATCGGGGCAGTCCCAGGGACCCCTCAGGAACTG  
 AGGAGGCCAACAGCAACTCAGACAAGAAAGAGATCAGAGGCTCAGAAAGTCAAGGACAGTATCCTCAGG  
 GGGCACCAAGGCCAGAAAGACCTCGTGAAGGGCCACCAAGCTGTAGAGGAGGGGCCGATAGACATGAG  
 GAGAGAGGACCGGCACACATGCAGGAGCAAGCATGCCGCTGGCTCCGGAGAGAGCAGCAGGCCGAACCC  
 CCACAGCTCCCCAGAACCCGAGGGGAGGAGAAGCAAGCAGAGCAGGAGAAGAAGCCAGGCCGCTTAGGAG  
 AGAGGAGGGCGCCAGAGAAGGAGTCTAAGAGGAAGCTAGAAGAGAAGAGGCCAGAACGACCCAGTGGCCG  
 GAAGCCGAGGCCAAGGGCATCATCTCAGCGGATGTGGAGAAGCACTATGACATAGTGGGGTATTGGG  
 GATGGCAACTTTGCCACCGTGAAGGAATGCAGGCACCGAGAGACCAAGCAGGCTTACGCCATGAAGATGA  
 TTGACAAGTCCCAGCTGAAGGGTGAAGGAGCATTGTCGACAGTGAAGTTTAAATCATCCAGAGTCTCTC  
 TCATCCCAACATTGTGAACTGCACGAGGTCTACGAGACGGAGGCGGAGATCTACCTGATCATGGAGTAT  
 GTGCAGGGAGGGACCTTTTTGATGCCATCGTTGAAAATGTGAAGTTTCCAGAGCCCGAGCTGCAGTTA  
 TGATCACAGACTTGTGTAAGGCCCTCGTCCACATGCACGACAAGAATATCGTCCACCGGGACGTGAAACC  
 AGAAAACCTCCTGGTTCAGCGAAATGAAGACAAGTCTATCACCTTGAAGCTGGCTGATTTTGGCTTGGCC  
 AAATATGTGGTGAAGCCATATTTACTGTGTGGGACGCCAACATATGTAGCTCCTGAAATTTCTTCTG  
 AGAAAGGTTACGGCTGGAGGTGACATGTGGGCGGCAGGTGTGATCCTATACATCCTCTGTGTGGCTT  
 CCCCCCTTCCGAAGTCTGAGAGGGACCAAGACGAGCTTCAACATCATCAAGTGGCCAGTTTGAG  
 TTCTCTCTCTTACTGGGACAACATTTCTGATGTGCCAAAGATCTGGTGAAGAAATTTGTGGAGGTGG  
 ACCCTAAGAAGCGGTACACGGCCGAACAGGTCTACAGCATCCCTGGATTGAGATGGTTGGGCATACCAA  
 CACAGGGAACACAGAAGGAGGAGTCCCCAACAGTTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** BC056929

**Insert Size:** 1860 bp

**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).

**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:** [BC056929](#), [AAH56929](#)

**RefSeq Size:** 2692 bp

**RefSeq ORF:** 1859 bp

**Locus ID:** 245038

**Cytogenetics:** 9 F3

**Gene Summary:** This gene encodes a member of the protein kinase superfamily and the doublecortin family. Differently from the other two closely related family members (DCLK1 and DCLK2), the protein encoded by this gene contains only one N-terminal doublecortin domain and is unable to bind microtubules and to regulate microtubule polymerization. The protein contains a C-terminal serine/threonine protein kinase domain, which shows substantial homology to Ca<sup>2+</sup>/calmoduline-dependent protein kinase, and a serine/proline-rich domain in between the doublecortin and the protein kinase domains, which mediates multiple protein-protein interactions. [provided by RefSeq, Sep 2010]