

Product datasheet for **MC221666**

Dclk3 (NM_172928) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Dclk3 (NM_172928) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Dclk3 |
| Synonyms: | BC056929; C730036H08; Dcamk; Dcamk3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >MC221666 representing NM_172928
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCAGCCGCGCCGGTCTGCGCCCGCCGCCCGCCAGCGACCCCGCCCGCCGCCACCCAGTCCGC
 CTGCGCCTCCCATTCGGGCCACCGAGGCCATGTGACCATTCTCTGAAATGCTTAAGCTCGAAGATCTC
 TGAGAGAAAGCTGCCAGGCCCTGGTTACCTGCGGGACGAGGACCTCTGGAGAAGCCAGTTCTGGGGCCA
 CGTGGTGCCTCATGCCGCTGTTAGCCCTCAGAGCAGCCTCCACTCAGTCCGCGCAGAGCACAGCCAC
 TGAAGCCAGGGTGGTACGGTGGTGAAGCTGGTGGCAGCCCTCCGTAAGGCCACCCTGCTCTCAA
 CCGGCGCTCAGTGCAGACCTTTGAGCAGCTCTATCAGACATCTCCGAAGCCTTGGGCTTCCACGCTGG
 AAGAACGACCGTGTGCGGAAGCTGTTACCCTCAAGGGCAGGGAGGTGAAGAGTGTGTGACTTCTTCC
 GGGAGGGTGTATGCTTTCATAGCTATGGCAAAGAGCCGCTGACATTGAAGAGTATCCAGTTGGCCATGGA
 GGAGCTGTATCCTAAGAACCAGGCTCTTGCCCTGGCCCTCACAGTAGAGTCCCCTCCCAAGGCTGAGA
 AGCAGACTTCCCAGCAAGCTTCTGAAAGGAAGTACCCGCTGTGGGGAGGCAGGAAGCTATAGCGCGGAAA
 TGGAGAGTAAGGCAGTCTCTAGGCATCAGGGCAAGACTTCCACAGTGTGGCCCCAGAAGACAAGGCCAG
 GGCCAGAAAGTGGTAAGAGGAAAACAGGAGTCAGAACCTGGTGGCCCGCCTTACCCGGGGCAGCCACT
 CAGGAGGAGACTCATGCAAGTGGAGAGAAAACATCTGGGGTGGAGATCGAAAAGACCTCCGGGGAGATTG
 TCAGATGTGAGAAGTGTAAAGAGAGAAAGAGAGCTGCAGTTGGGCTGCAGAGGGAGCCGTGCCCGCTGGG
 AACAGTGAAGTGGACCTGGGGAGAGCTCAGAAGAGGGATTCCGAGAAGTTGGTGAAGGACCAAGAGCTGC
 AGGAGGCCCTTCTAGGCAAAATCTACAGATGGAGAGGAAGGGTGAAGGGTGACAGCCATCGGGGAGTCC
 CCAGGGACCCCTCAGGAAGTGGAGAGCCCAACAGCAACTCAGACAAGAAAGAGATCAGAGGCTCAGA
 AAGTCAGGACAGTCATCCTCAGGGGGCACCCAAGGCCAGAAAGGACCTCGTGGAAGGGCCACCAGCTGTA
 GAGGAGGGCCGATAGACATGAGGAGAGAGGACCGGCACACATGCAGGAGCAAGCATGCCGCTGGCTCC
 GGAGAGAGCAGCAGGCCGAACCCCCACAGCTCCCCAGAACCCGAGGGGAGGAGAAGCAAGCAGAGACCGA
 GAAGAAGCCAGGCGGCTTAGGAGAGAGGAGGGCGCCAGAGAAGGAGTCTAAGAGGAAGCTAGAAGAGAAG
 AGGCCAGAACGACCCAGTGGCCGAAGCCGAGGCCAAGGGCATCATCTCAGCGGATGTGGAGAAGCACT
 ATGACATAGTGGGGTCAATGGGGATGGCAACTTGGCCACCGTGAAGGAATGCAGGCACCGAGAGACCAA
 GCAGGCTTACGCCATGAAGATGATTGACAAGTCCAGCTGAAGGGTAAGGAGGACATTGTCGACAGTGAG
 ATTTTAATCATCCAGAGTCTCTCATCCAACATTGTGAAACTGCACGAGGTCTACGAGACGGAGGCGG
 AGATCTACCTGATCATGGAGTATGTGCAGGAGGGGACCTTTTGTATGCCATCGTTGAAAATGTGAAGTT
 TCCAGAGCCCAGGCTGCAGTTATGATCACAGACTTGTGTAAGGCCCTCGTCCACATGCACGACAAGAAT
 ATCGTCCACCGGGACGTGAAACCAGAAAACCTCCTGGTTCAGCGAAATGAAGACAAGTCTATCACCTTGA
 AGCTGGCTGATTTGGCTTGGCCAAATATGTGGTGAAGGCTATATTTACTGTGTGTGGGACGCCAACATA
 TGTAGCTCCTGAAATCTTTCTGAGAAAGGTTACGGCTGGAGGTGGACATGTGGGCGGCAGGTGTGATC
 CTATACATCCTCTGTGTGGCTTCCCCCTTCCGAAGTCTGAGAGGGACCAAGACGAGCTTTCAACA
 TCATCCAAGTGGCCAGTTTGTGTTCTCTCTCTTACTGGGACAACATTTCTGATGCTGCCAAAGATCT
 GGTGAGAAATTTGCTGGAGGTGGACCCTAAGAAGCGGTACACGGCCGAACAGGTCTACAGCATCCCTGG
 ATTGAGATGGTTGGGCATACCAACACAGGGAATCACAGAAGGAGGAGTCCCCAACAGTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_172928
Insert Size: 2373 bp

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| 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: | <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_172928.5 , NP_766516.2 |
| RefSeq Size: | 3498 bp |
| RefSeq ORF: | 2373 bp |
| Locus ID: | 245038 |
| UniProt ID: | Q8BWQ5 |
| 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 ²⁺ /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] |