

## Product datasheet for **RC221819**

### **NKIAMRE (CDKL3) (NM\_016508) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NKIAMRE (CDKL3) (NM_016508) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NKIAMRE
Synonyms:	NKIAMRE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC221819 representing NM\_016508  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGATGTATGAAACCCTTGGAAAAGTGGGAGAGGGAAGTTACGGAACAGTCATGAAATGTAACATA  
 AGAATACTGGGCAGATAGTGGCCATTAAGATATTTTATGAGAGACCAGAACAATCTGTCAACAAAATTGC  
 GATGAGAGAAAATAAGTTTCTAAAGCAATTTTCATCACGAAAACCTGGTCAATCTGATTGAAGTTTTTGA  
 CAGAAAAAGAAAATTCATTTGGTATTTGAATTTATTGACCACACAGTATTAGATGAGTTACAACATTATT  
 GTCATGGACTAGAGAGTAAGCGACTTAGAAAATACCTCTCCAGATCCTTCGAGCAATTGACTATCTTCA  
 CAGTAATAATATCATTTCGAGATATAAACCTGAGAATATTTTAGTATCCAGTCAGGAATTACTAAG  
 CTCTGTGATTTTGGTTTTGCACGAACACTAGCAGCTCCTGGGACATTTATACGGACTATGTGGCCACAC  
 GCTGGTATAGAGCTCCCGAATTAGTATTAAGATACTTCTTATGGAAAACCTGTGGATATCTGGGCTTT  
 GGGCTGTATGATCATTGAGATGGCCACTGGAAATCCCTATCTTCTAGTATTCTGATTTGGATTTACTC  
 CATAAAATGTTTTGAAAGTGGCAATTTGTCACCTCACTTGCAGAATATCTTTTCCAAGAGCCCAATTT  
 TTGCTGGGGTAGTTCTTCTCAAGTTCAACACCCCAAAAATGCAAGAAAAAATATCCAAAGCTTAATGG  
 ATTGTTGGCAGATATAGTTCATGCTTGTTTACAAATTGATCCTGCTGACAGGATATCATCTAGTGATCTT  
 TTGCATCATGAGTATTTACTAGAGATGGATTTATTGAAAAATTCATGCCAGAAGTAAAGCTAAATTAC  
 TGCAGGAAGCAAAAGTCAATTCATTAATAAAGCCAAAAGAGAGTTCTAAAGAAAATGAACTCAGGAAGA  
 TGAAAGAAAACAGTTTATACCAATACACTGCTAAGTAGTTTCAGTTTTGGGAGAGGAAATAGAAAAAGAG  
 AAAAGCCCAAGGAGATCAAAGTCAGAGTTATTAAGTCAAAGGAGGAAGAGGAGATATCTCAGAACC  
 AAAAGAAAAGATGAAAGTGGACTTGGTCAACAGGATGCAAAATGAAAATGTTTCATCTCTATGCTCCAGA  
 TACAAAACCTTGAACCATTGAACCACCAACCCTATCAATCCCAGCACTAACTGTAATGGCTTGAAGAA  
 AATCCACATTGCGGAGTTCTGTGACAATGCCACCCATCAATCTAACTAACAGTAATTTGATGGCTGCAA  
 ATCTCAGTTCAAATCTCTTTACCCCAAGTGTGAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC221819 representing NM\_016508  
 Red=Cloning site Green=Tags(s)

MEMYETLGKVGEGSYGTMKCKHKNTGQIVAIFKIFERPEQSVNKIAMREIKFLKQFHENLVNLEIEVFR  
 QKKKIHLVFEFIDHTVLDELQHYCHGLESKRLRKYLFQILRAIDYLHSNNIIHRDIKPENILVSQSGITK  
 LCDFGFARTLAAPGDIYDYVATRWYRAPELVKDTSYGKPVDIWALGCMIIEMATGNPYLPSSSDLDLL  
 HKIVLKVGNLSPHLQNIIFSKSPIFAGVVLQVQHPKNARKKYPKLNGLLADIVHAQLQIDPADRISSDL  
 LHHEYFTRDGFIEKFMPCLKAKLLQEAQVNSLIKPKESKELRDKERTVYTNLSSSVLGEEIEKE  
 KKPKEIKVRVIKVGGRGDISEPKKKEYEGGLGQQDANENVHPMPDTKLVITIEPPNPINPSTNCLKE  
 NPHCGGSVTMPPIINLTNSNLMAANLSSNLFHPSVR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8009\\_e02.zip](https://cdn.origene.com/chromatograms/mk8009_e02.zip)

**Restriction Sites:**

Sgfl-Mlul

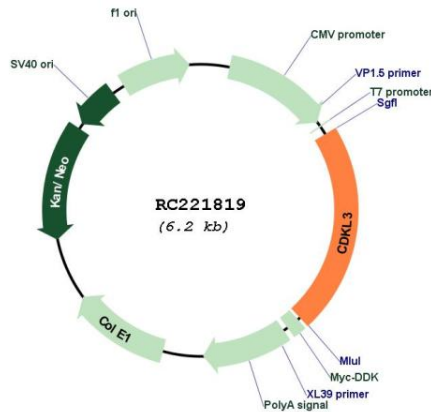


**Protein Families:** Druggable Genome, Protein Kinase

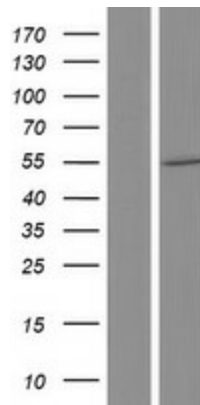
**MW:** 51.4 kDa

**Gene Summary:** The protein encoded by this gene is a member of cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of *Saccharomyces cerevisiae cdc28*, and *Schizosaccharomyces pombe cdc2*, and are known to be important regulators of cell cycle progression. This gene was identified as a gene absent in leukemic patients with chromosome 5q deletion. This loss may be an important determinant of dysmyelopoiesis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RC221819



Western blot validation of overexpression lysate (Cat# [LY413945]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221819 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).