

Product datasheet for **SC126058**

NKIAMRE (CDKL3) (BC041799) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NKIAMRE (CDKL3) (BC041799) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDKL3
Synonyms:	cyclin-dependent kinase-like 3; NKIAMRE; serine-threonine protein kinase NKIAMRE
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >NCBI ORF sequence for BC041799, the custom clone sequence may differ by one or more nucleotides

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ATGGAGATGTATGAAACCCTTGGAAAAGTGGGAGAGGGAAGTTACGGAACAGTCATGAAATGTAACATA
AGAATACTGGGCAGATAGTGGCCATTAAGATATTTTATGAGAGACCAGACAATCTGTCAACAAAATTGC
GATGAGAGAAAATAAAGTTTCTAAAGCAATTTTCATCACGAAAACCTGGTCAATCTGATTGAAGTTTTAGA
CAGAAAAAGAAAATTCATTTGGTATTTGAATTTATTGACCACACAGTATTAGATGAGTTACAACATTATT
GTCATGGACTAGAGAGTAAGCGACTTAGAAAATACCTCTTCCAGATCCTTCGAGCAATTGACTATCTTCA
CAGTAATAATATCATTTCAGAGATATAAACCTGAGAATATTTTAGTATCCCAGTCAGGAATTACTAAG
CTCTGTGATTTTGGTTTTGCACGAACTAGCAGCTCCTGGGACATTTATACGGACTATGTGGCCACAC
GCTGGTATAGAGCTCCCGAATTAGTATTAAGATACTTCTTATGGAAAACCTGTGGATATCTGGCTTT
GGGCTGTATGATCATTGAGATGGCCACTGGAAATCCCTATCTTCTAGTAGTTCTGATTTGGATTTACTC
CATAAAATGTTTTGAAAGTGGCAATTTGTACCTCACTTGCAAGATATCTTTTCCAAGAGCCCCATTT
TTGCTGGGTAGTTCTTCTCAAGTTCAACACCCCAAAAATGCAAGAAAAAATATCCAAGCTTAATGG
ATTGTTGGCAGATATAGTTCATGCTTGTTTACAATTGATCCTGCTGACAGGATATCATCTAGTGATCTT
TTGCATCATGAGTATTTACTAGAGATGGATTTATTGAAAAATTCATGCCAGAAGTAAAGCTAAATAC
TGCAGGAAGCAAAAGTCAATTCATTAATAAGCCAAAAGAGAGTTCTAAAGAAAATGAACTCAGGAAAGA
TGAAAGAAAAACAGTTTATACCAATACACTGCTAAGTAGTTTCAGTTTTGGGAAAGGAAATAGAAAAAGAG
AAAAAGCCCAAGGAGATCAAAGTCAGAGTTATTAAGTCAAAGGAGGAAGAGGAGATATCTCAGAACCA
AAAAGAAAGAGTATGAAGGTGGACTTGGTCAACAGGATGCAATGAAAATGTTTCATCCTATGTCTCCAGA
TACAAAACCTTGTAACCATTGAACCACCAAAACCTATCAATCCCAGCACTAACTGTAATGGCTTGAAGAA
AATCCACATTGCGGAGGTTCTGTGACAATGCCACCCATCAATCTAACTAACAGTAATTTGATGGCTGCAA
ATCTCAGTTCAAATCTCTTTACCCCAAGTGTGAGGTTAACTGAAAGAGCAAAAAAGAGACGCACTTCTTC
ACAATCTATTGGACAAGTTATGCCTAATAGCAGGCAAGAGGATCCAGGTCTATTCAAAGCCAAATGGAG
AAGGGTATATTTAATGAGCGAACAGGTCACAGTGACCAATGGCAATGAGAACAAAAGGAGCTGAATT
TTTCCAGATCTGACAGGAAAGAATTCATTTTCCAGAATTGCCTGTACAATACAGTCAAAGATACAAA
AGGAATGGAAAGTTAAACAGATAAAAATGCTGAAGAGGGAGTCAAAGAAAACAGAGTCATCTAAGATACCA
ACTTTACTTAACGTGGATCAAAATCAAGAAAAACAAGAGGGTGGAGATGGCCATTGCGAGGGGAAGAATT
TGAAGAGAAACAGGTTTTTTTTTCTGGTAG
    
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- Restriction Sites:** Please inquire
- ACCN:** BC041799
- Insert Size:** 2200 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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: [BC041799.1](#), [AAH41799.1](#)

RefSeq Size: 2146 bp

RefSeq ORF: 1779 bp

Locus ID: 51265

Cytogenetics: 5q31.1

Protein Families: Druggable Genome, Protein Kinase

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]