

Product datasheet for **SC109075**

CLK3 (NM_003992) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLK3 (NM_003992) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLK3
Synonyms:	PHCLK3; PHCLK3/152
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_003992 edited
 ATGCATCACTGTAAGCGATACCGCTCCCCTGAACCAGACCCGTACCTGAGCTACCGATGG
 AAGAGGAGGAGGTCCTACAGTCGGGAACATGAAGGGAGACTGCGATACCCGTCCCGAAGG
 GAGCCTCCCCACGAAGATCTCGGTCCAGAAGCCATGACCGCCTGCCCTACCAGAGGAGG
 TACCGGGAGCGCGTGACAGCGATACATACCGGTGTGAAGAGCGGAGCCATCCTTTGGA
 GAGGACTACTATGGACCTTACGTTCTCGTCATCGTCGCGGATCGCGGGAGAGGGGGCCA
 TACCGGACCCGCAAGCATGCCACCACTGCCACAAACGCCGACCCAGGTCTTGTAGCAGC
 GCCTCCTCGAAGCCAACAGAGCAGTAAGCGCAGCAGCCGGAGTGTGGAAGATGACAAG
 GAGGGTCACTGGTGTGCCGGATCGGCGATTGGCTCCAAGAGCGATATGAGATTGTGGG
 AACCTGGGTGAAGGCACCTTTGGCAAGGTGGTGGAGTGCCTGGACCATGCCAGAGGGAAG
 TCTCAGGTTGCCCTGAAGATCATCCGCAACGTGGGCAAGTACCGGAGGCTGCCCGGCTA
 GAAATCAACGTGCTCAAAAAAATCAAGGAGAAGGACAAAGAAAACAAGTTCTGTGTGTC
 TTGATGTCTGACTGGTTCAACTCCACGGTCACATGTGCATCGCCTTTGAGCTCCTGGGC
 AAGAACACCTTTGAGTTCCTGAAGGAGAATAACTTCCAGCCTTACCCCTACCACATGTC
 CGGCACATGGCCTACCAGCTCTGCCACGCCCTTAGATTCTGCATGAGAATCAGCTGACC
 CATACAGACTTAAAACAGAGAACATCCTGTTTGTGAATTCTGAGTTTAAAACCTCTAC
 AATGAGCACAAGAGCTGTGAGGAGAAGTCAGTGAAGAACCAGCATCCGAGTGGCTGAC
 TTTGGCAGTGCCACATTTGACCATGAGCACCACACCATTGTGGCCACCCGTCACTAT
 CGCCCCCTGAGGTGATCCTTGAGCTGGGCTGGGCACAGCCCTGTGACGTCTGGAGCATT
 GGCTGCATTCTTTGAGTACTACCGGGCTTCACTCTTCCAGACCCACGAAAACCGA
 GAGCACCTGGTGTGATGAGAGAAGATCCTAGGGCCATCCATCACACATGATCCACCGT
 ACCAGGAAGCAGAAAATTTCTACAAAGGGGCCTAGTTTGGGATGAGAACAGCTCTGAC
 GGCCGGTATGTGAAGGAGAACTGCAAACCTCTGAAGAGTTACATGCTCCAAGACTCCCTG
 GAGCAGTGCAGCTGTTTACCTGATGAGGAGGATGTTAGAATTTGACCCTGCCAGCGC
 ATCACACTGGCCGAGGCCCTGCTGCACCCCTTCTTTGCTGGCCTGACCCCTGAGGAGCGG
 TCCTTCCACACCAGCCGCAACCCAAGCAGATGA



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003992 unedited
 GGCAGAATATTTGTATACGACTCACTTATAGGGCGGCCGCGATTTCGGCACGAGGGGTAAG
 TGTGGGCTGGGGTCCGCGCGCGGACAGCGGGCGGGCGCGGGGATGCATCACTGTAA
 GCGATACCGCTCCCCTGAACCAGACCCGTACCTGAGCTACCGATGGAAGAGGAGGAGGTC
 CTACAGTCGGGAACATGAAGGGAGACTGCGATACCCGTCCCGAAGGGAGCCTCCCCACG
 AAGATCTCGTCCAGAAGCCATGACCGCCTGCCCTACCAGAGGAGTACCGGGAGCGCCG
 TGACAGCGATACATACCGGTGTGAAGAGCGGAGCCCATCCTTTGGAGAGGACTACTATGG
 ACCTTCACGTTCTCGTATCGTCGCGGATCGCGGAGAGGGGGCCATACCGGACCCGCAA
 GCATGCCCACTGCCACAAACGCCGACCCAGGTCTTGTAGCAGCGCCTCCTCGAGAAG
 CCAACAGAGCAGTAAGCGCAGCAGCCGGAGTGTGGAAGATGACAAGGAGGGTCACCTGGT
 GTGCCGGATCGGCGATTGGCTCCAAGAGCGATATGAGATTGTGGGAACTGGGTGAAGG
 CACCTTTGGCAAGGTGGTGGAGTCTTGGACCATGCCAGAGGGAAGTCTCAGGTTGCCCT
 GAAGATCATCCGCAACGTGGCAAGTACCGGGAGGCTGCCCGGCTAGAAATCAACGTGCT
 NCAANAATCAAGGAGAAGGACAAAGAAAACAAGTTCTGTGTCTTGTGTCTGACTG
 GNTCAACTCCACGGTACATGTGCATTGCCTTTGAGCTCTGGCAAGAACACCTTTGAG
 GTCTGGAGGAGAATAAACTTACGCTTTACCCCTCCACATGTCCGGCACATGGCTCA
 CAGCTCTGCCACGCCTTAGATTTCTC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003992 unedited
 TAGCTCTGNACCGCGCACGCAATCTATGATCGAGTTTTTTTTTTTTTTTTTTTACCAGGG
 TTACAAACAGTAAGAAACACTTTATTATAACTTTATAACATATAAATAGCTTGGGTCAA
 TCTGTGCTTTCTGGCAGCTGGGCACCAAGTCTGCTCCCCTGCAGGCTCCTGCCTTCTTC
 ACATTGCACTGTTCAATGGGTGGCTCTGGCCTGGGGCCTGGCGGTCGAGGCTGGAGTCAA
 GGGGCTGGGCGGCCAGTCCCGCCTCCATCTCCTCATGCGGAGGCTGTGCCTGTATC
 TGCTTGGGTTGGCGCTGGTGTGGAAGACCGCTCCTCAGGGGTCAGGCCAGCAAAGAAGG
 GGTGCAGCAGGGCCTCGGCCAGTGTGATGCGCTGGGCAGGGTCAAATTCTAACATCCTCC
 TCATCAGGTCAAACAGCTGCACGTGCTCCAGGGAGTCTTGGAGCATGTAACTCTTCAGAG
 GTTTGCAGTCTCCTTACATACCGGCCGTCAGAGCTGTTCTCATCCAAACTAGGCCCC
 CTTTGTAGAAATATTTCTGCTTCTGGTACGGTGGATCATGTGTGATGGGATGGGCCCTA
 AGATCTTCTCCATCATCACCAGGTGCTCTCGGTTTTCTGGGTCTGGAAGAGTGTGAAGC
 CCCGGTAGTACTCAAAGAGATGCAGCCAATGCTCCAGAGCTCACAGGGCTGTGCCAGCC
 CATCTCAAGGATCACCTCATGCGGGCGATAGTGACGGGTGGCCACAATGGGTGGTGTGGT
 GCTCATGGTCAAATGTGGCACTGCCAAAGCAACCACTCGGATGCTGGTGTCTTCACTGA
 CTCCTCTACAGCTCTGGGCTCATGGAAAAAGTTCAAACCANAATCACAAACAGGAGTT
 CTCTGGTCAAGTCTGATTGGCCACCGATTTTATGCAAAATTTAAGCCGCGCGNAC

Restriction Sites:

NotI-NotI

ACCN:

NM_003992

Insert Size:

1870 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: [NM_003992.1](#), [NP_003983.1](#)

RefSeq Size: 1762 bp

RefSeq ORF: 1473 bp

Locus ID: 1198

UniProt ID: [P49761](#)

Cytogenetics: 15q24.1

Domains: pkinase, TyrKc, S_TKc

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: This gene encodes a protein belonging to the serine/threonine type protein kinase family. This protein is a nuclear dual-specificity kinase that regulates the intranuclear distribution of the serine/arginine-rich (SR) family of splicing factors. Two transcript variants encoding different isoforms have been found for this gene. Related pseudogenes are located on chromosomes 1 and 9. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) differs in the 5' UTR and coding region compared to variant 1. The resulting isoform (b) has a shorter and distinct N-terminus compared to isoform a.