

Product datasheet for **SC324172**

CLK1 (NM_004071) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLK1 (NM_004071) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLK1
Synonyms:	CLK; CLK/STY; STY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004071.2
 GACGCAGTCAGCTGCGTGATTCCCGTGATTGCGTTACAAGCTTTGTCTCCTTCGACTTGG
 AGTCTTTGTCCAGGACGATGAGACACTCAAAGAGAAGCTTACTGTCCTGATTGGGATGACA
 AGGATTGGGATTATGGAAAATGGAGGAGCAGCAGCAGTCATAAAAGAAGGAAGAGATCAC
 ATAGCAGTGCCCAGGAGAACAAGCGCTGCAAAACAATCACTCTAAAATGTGTGATAGCC
 ATTATTTGGAAAAGCAGGTCTATAAATGAGAAAAGATTATCATAGTCGACGCTACATTGATG
 AGTACAGAAATGACTACACTCAAGGATGTGAACCTGGACATCGCCAAAGAGACCATGAAA
 GCCGGTATCAGAACCATAGTAGCAAGTCTTCTGGTAGAAGTGGAAGAAGTAGTTATAAAA
 GCAAACACAGGATTACCACAGTACTTCACATCGTCGTTACATGGGAAGAGTCACCGAA
 GGAAAAGAACCAGGAGTGTAGAGGATGATGAGGAGGGTCACCTGATCTGTGAGAGTGGAG
 ACGTACTAAGTGCAAGATATGAAATTTGTTGATACTTTAGGTGAAGGAGCTTTTGGAAAAG
 TTGTGGAGTGCATCGATCATAAAGCGGGAGGTAGACATGTAGCAGTAAAAATAGTAAAA
 ATGTGGATAGATACTGTGAAGCTGCTCGCTCAGAAATACAAGTTCTGGAACATCTGAATA
 CAACAGACCCCAACGACTTTCCGCTGTGTCCAGATGTTGGAATGGTTTGAGCATCATG
 GTCACATTTGCATTGTTTTGAACTATTGGGACTTAGTACTTACGACTTCATTAAGAAA
 ATGGTTTTCTACATTTGACTGGATCATATCAGAAAGATGGCATATCAGATATGCAAGT
 CTGTGAATTTTTTGCACAGTAATAAGTTGACTCACACAGACTTAAAGCCTGAAAACATCT
 TATTTGTGCGACTGACTACACAGAGCGTATAATCCCAAAATAAAACGTTGATGAACGCA
 CCTTAATAAATCCAGATATTAAGTTGTAGACTTTGGTAGTGAACATATGATGACGAAC
 ATCACAGTACATTGGTATCTACAAGACATTATAGAGCACCTGAAGTTATTTAGCCCTAG
 GGTGGTCCCAACCATGTGATGTCTGGAGCATAGGATGCATTCTTATTGAATACTATCTTG
 GGTACCCTATTTCCAACACACGATAGTAAGGAGCATTAGCAATGATGGAAAGGATTC
 TTGGACCTACCAAAACATATGATACAGAAAACCAGGAAACGTAATATTTTACCACG
 ATCGATTAGACTGGGATGAACACAGTTCTGCCGGCAGATATGTTTCAAGACGCTGTAAC
 CTCTGAAGGAATTTATGCTTTCTCAAGATGTTGAACATGAGCGTCTCTTTGACCTCATT
 AGAAAATGTTGGAGTATGATCCAGCCAAAAGAATTACTCTCAGAGAAGCCTTAAAGCATC
 CTTTCTTTGACCTTCTGAAGAAAAGTATATAGATCTGTAATTGGACAGCTCTCTCGAAGA
 GATCTTACAGACTGTATCAGTCTAATTTTTAAATTTTAAGTTATTTTGTACAGCTTTGTA
 AATTCTTAACATTTTTATATTGCCATGTTATTTTGGTTGTTGGTAAATTTGGTTCTTTAAGT
 ACATAGCTAAGGTAATGAACATCTTTTTCAGTAATTGTAAGTGATTTATTCAGAATAAA
 TTTTTGTGCTTATGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_004071

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:	<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_004071.2 , NP_004062.2
RefSeq Size:	1887 bp
RefSeq ORF:	1455 bp
Locus ID:	1195
UniProt ID:	P49759
Cytogenetics:	2q33.1
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>This gene encodes a member of the CDC2-like (or LAMMER) family of dual specificity protein kinases. In the nucleus, the encoded protein phosphorylates serine/arginine-rich proteins involved in pre-mRNA processing, releasing them into the nucleoplasm. The choice of splice sites during pre-mRNA processing may be regulated by the concentration of transacting factors, including serine/arginine rich proteins. Therefore, the encoded protein may play an indirect role in governing splice site selection. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2009]</p> <p>Transcript Variant: This variant (1) encodes the shorter isoform (1).</p>