

Product datasheet for **SC310504**

CDKL1 (NM_004196) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDKL1 (NM_004196) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDKL1
Synonyms:	KKIALRE; P42
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310504 representing NM_004196. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGATGGAGAAGTATGAAAAATTGGGAAAATTGGAGAAGGATCCTATGGAGTTGTTTTCAAATGTAGA
AACAGGGACACGGGTCAGATTGTGGCCATCAAGAAGTTTCTGGAATCAGAAGATGACCCTGTCATAAAG
AAAATTGCCCTTCGGGAAATCCGAATGCTCAAGCAACTCAAGCATCCCAACCTTGTTAACCTCCTGGAA
GTCTTCAGGAGGAAACGGAGGCTCACCTGGTGTGTTGAATATTGTGACCACACAGTTCTCCATGAGTTG
GACAGATACCAAAGAGGGGTACCAGAACATCTCGTGAAGAGCATAACTTGGCAGACACTGCAAGCTGTA
AATTTTTGCCATAAACACAATTGCATACATAGAGACGTGAAGCCAGAAAATATCCTCATCACGAAACAT
TCCGTGATTAAGCTTTGTGACTTTGGATTTGCTCGGCTTTTGACTGGACCGAGTGACTACTATACAGAC
TACGTGGCTACCAGTGGTACCGCTCCCTGAGCTGCTGGTGGGGACACGCAGTACGGCCCCCGGTG
GATGTTTGGGCAATTGGCTGTGCTTTGCTGAGCTGCTGTGAGGAGTGCCTCTGTGGCCAGGAAAATCG
GATGTGGATCAGCTGTATCTGATTAGGAAGACCTTGGGGATCTCATTCTAGGCACCAGCAAGTGT
AGCACGAATCAGTACTTCAGTGGAGTGAATAATCCAGACCCTGAAGATATGGAACCACTTGAATTA
TTCCAAACATCTTTATCCTGCCCTGGGGCTCCTAAAGGGCTGTCTCCACATGGACCCTACTCAAAGG
CTGACATGTGAACAGCTGTTGCATACCCATATTTGAAAACATCAGAGAAATAGAGGATTTGGCAAAA
GAACACAACAAACCAAGGAAGACCCTAAGAAAGAGCCGAAAGCACCCTGCTTTACAGAAACATCC
AAGTTGCAGTACCTACCCAGCTAACTGGCAGCAGCATCCTTCCAGCTTTGGATAATAAGAAGTACTAC
TGTGATACCAAGAACTTAACACCGTTTTTCCAACATT TAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_004196



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Insert Size:	1077 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:	<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_004196.4
RefSeq Size:	1619 bp
RefSeq ORF:	1077 bp
Locus ID:	8814
UniProt ID:	Q00532
Cytogenetics:	14q21.3
Domains:	pkinase
Protein Families:	Druggable Genome, Protein Kinase
MW:	41.8 kDa
Gene Summary:	<p>This gene product is a member of a large family of CDC2-related serine/threonine protein kinases that accumulates primarily in the nucleus. [provided by RefSeq, Nov 2018]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>