

Product datasheet for **SC334996**

CDKL1 (NM_001282236) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | CDKL1 (NM_001282236) 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: | >NCBI ORF sequence for NM_001282236, the custom clone sequence may differ by one or more nucleotides |

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ATGATGGAGAAGTATGAAAAAATTGGGAAAATTGGAGAAGGATCCTATGGAGTTGTTTTCAAATGTAGAA
ACAGGGACACGGGTGAGATTGTGGCCATCAAGAAGTTTCTGGAATCAGAAGATGACCCTGTATAAAGAA
AATTGCCCTTCGGGAAATCCGAATGCTCAAGCACTCAAGCATCCCAACCTTGTTAACCTCCTGGAAGTC
TTCAGGAGGAAACGGAGGCTTACCTGGTGTGTTGAATATTGTGACCACACAGTTCTCCATGAGTTGGACA
GATACCAAAGAGGGGTACCAGAACATCTCGTGAAGAGCATAACTTGGCAGACACTGCAAGCTGTAATTT
TTGCCATAAACACAATTGCATACATAGAGACGTGAAGCCAGAAAATATCCTCATCAGAAACATTCGGT
ATTAAGCTTTGTGACTTTGGATTTGCTCGGCTTTTACTGGACCGAGTGACTACTATACAGACTACGTGG
CTACCAGGTGGTACCGCTCCCCTGAGCTGCTGGTGGGGGACACGAGTACGGCCCCCGGTGGATGTTT
GGCAATTGGCTGTGCTTTGCTGAGCTGCTGTCAGGAGTGCCCTGTGGCCAGGAAAATCGGATGTGGAT
CAGCTGTATCTGATTAGGAAGACCTTGGGGGATCTCATTCTAGGCACCAGCAAGTGTGTTAGCACGAATC
AGTACTTCAGTGGAGTAAAAATCCAGACCCTGAAGATATGGAACCACTTGAATTTAAATTTCCAAACAT
CTTTATCCTGCCTGGGCTCCTAAAGGGCAGAGTACCAATTGCTTCAAGAACAGAATAA
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| Restriction Sites: | Sgfl-MluI |
| ACCN: | NM_001282236 |
| 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). |



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| 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: | <u>NM_001282236.1, NP_001269165.1</u> |
| RefSeq Size: | 2217 bp |
| RefSeq ORF: | 831 bp |
| Locus ID: | 8814 |
| Cytogenetics: | 14q21.3 |
| Protein Families: | Druggable Genome, Protein Kinase |
| 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 (2) differs in the 5' UTR, 3' UTR, and 3' coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to 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> |