

## Product datasheet for **RC237102**

### CDKL1 (NM\_001282236) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CDKL1 (NM\_001282236) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** CDKL1  
**Synonyms:** KKIALRE; P42  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC237102 representing NM\_001282236  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGATGGAGAAGTATGAAAAAATGGGAAAATTGGAGAAGGATCCTATGGAGTTGTTTTCAAATGTAGAA  
ACAGGGACACGGGTCAGATTGTGGCCATCAAGAAGTTTCTGGAATCAGAAGATGACCCTGCATAAAGAA  
AATTGCCCTTCGGGAAATCCGAATGCTCAAGCAACTCAAGCATCCAACCTTGTTAACCTCCTGGAAGTC  
TTCAGGAGGAAACGGAGGCTTCACCTGGTGTGTTGAATATTGTGACCACACAGTTCTCCATGAGTTGGACA  
GATACCAAAGAGGGGTACCAGAACATCTCGTGAAGAGCATAAATTGGCAGACACTGCAAGCTGTAAATTT  
TTGCCATAAACACAATTGCATACATAGAGACGTGAAGCCAGAAAATATCCTCATCACGAAACATTCGGTG  
ATTAAGCTTTGTGACTTTGGATTTGCTCGGCTTTTGTGACTGGACCGAGTGACTACTATACAGACTACGTGG  
CTACCAGGTGGTACCGCTCCCCTGAGCTGCTGGTGGGGGACACGCAGTACGGCCCCCGGTGGATGTTTG  
GGCAATTGGCTGTGTCTTTGCTGAGCTGCTGTGAGGAGTGCCCTGTGGCCAGGAAAATCGGATGTGGAT  
CAGCTGTATCTGATTAGGAAGACCTTGGGGATCTCATTCTAGGCACCAGCAAGTGTGTTAGCACGAATC  
AGTACTTCAGTGGAGTAAAAATCCAGACCCTGAAGATATGGAACCACTGAATTAATAATCCCAACAT  
CTCTTATCCTGCCCTGGGCTCCTAAAGGCGAGGTACCAATTGCTTCAAGAACAGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237102 representing NM\_001282236  
Red=Cloning site Green=Tags(s)

MMEKYEKIGKIGEGSYGVVFKCRNRDTGQIVAIAIKKFLSEDDPVIKKIALREIRMLKQLKHPNLVNLLEV  
 FRRKRRLHLVFEYCDHTVLHELDRYQRGVPEHLVKSITWQTLQAVNFCHKHNCIHRDVKPENILITKHSV  
 IKLCDFGFARLLTGPSDYYTDYVATRWYRSPPELLVGDYQYVPPVDVWAIGCVFAELLSGVPLWPGKSDVD  
 QLYLIRKTLGDLIPRHQQVFSTNQYFSGVKIPDPEDMEPLELKFNPISYPALGLLKGRVPIASRTE

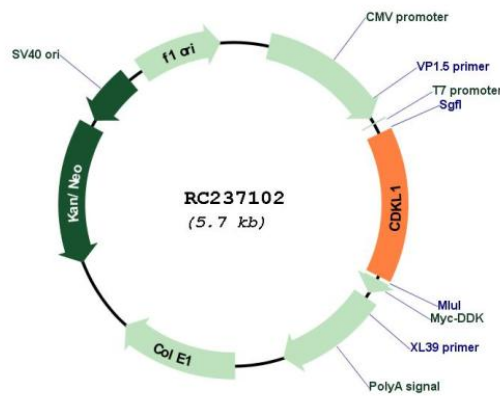
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001282236  
**ORF Size:** 828 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001282236.2</a>
<b>RefSeq Size:</b>	2217 bp
<b>RefSeq ORF:</b>	831 bp
<b>Locus ID:</b>	8814
<b>Cytogenetics:</b>	14q21.3
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>MW:</b>	32.4 kDa
<b>Gene Summary:</b>	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]