

Product datasheet for **RG237102**

CDKL1 (NM_001282236) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDKL1 (NM_001282236) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CDKL1
Synonyms:	KKIALRE; P42
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237102 representing NM_001282236. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGGAGAAGTATGAAAAATTGGGAAAATTGGAGAAGGATCCTATGGAGTTGTTTTCAAATGTAGA
AACAGGGACACGGGTCAGATTGTGGCCATCAAGAAGTTTCTGGAATCAGAAGATGACCCTGTCATAAAG
AAAATTGCCCTTCGGGAAATCCGAATGCTCAAGCAACTCAAGCATCCCAACCTTGTTAACCTCCTGGAA
GTCTTCAGGAGGAAACGGAGGCTCACCTGGTGTGTTGAATATTGTGACCACACAGTTCTCCATGAGTTG
GACAGATACCAAAGAGGGGTACCAGAACATCTCGTGAAGAGCATAACTTGGCAGACACTGCAAGCTGTA
AATTTTTGCCATAAACACAATTGCATACATAGAGACGTGAAGCCAGAAAATATCCTCATCACGAAACAT
TCCGTGATTAAGCTTTGTGACTTTGGATTTGCTCGGCTTTTACTGGACCGAGTGACTACTATACAGAC
TACGTGGCTACCAGTGGTACCGCTCCCCTGAGCTGCTGGTGGGGACACGCAGTACGGCCCCCGGTG
GATGTTTGGGCAATTGGCTGTGCTTTGCTGAGCTGCTGTGAGGAGTGCCTCTGTGGCCAGGAAAATCG
GATGTGGATCAGCTGTATCTGATTAGGAAGACCTTGGGGATCTCATTCCTAGGCACCAGCAAGTGTTC
AGCACGAATCAGTACTTCAGTGGAGTAAAAATCCAGACCCTGAAGATATGGAACCACTTGAAATAAAA
TTCCCAAACATCTTTATCCTGCCCTGGGGCTCCTAAAGGGCAGAGTACCAATTGCTTCAAGAACAGAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237102
 Blue=ORF Red=Cloning site Green=Tag(s)

MMEKYEKIGKIGEGSYGVVFKCRNRDTGQIVAIAIKKFLSEDDPVIKKIALREIRMLKQLKHPNLVNLLE
 VFRRKRLHLVFEYCDHTVLHELDRYQRGVPEHLVKSITWQTLQAVNFCHKHNCIHRDVKPENILITKH
 SVIKLCDFGFARLLTGPSDYTYDVATRWRYSPELLVGDTQYGGPPVDVWAIGCVFAELLSGVPLWPGKS
 DVDQLYLIRKTLGDLIPRHQQVFSTNQYFSGVKIPDPEDMEPLELKFNPISYPALGLLKGRVPIASRTE
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001282236

ORF Size: 828 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

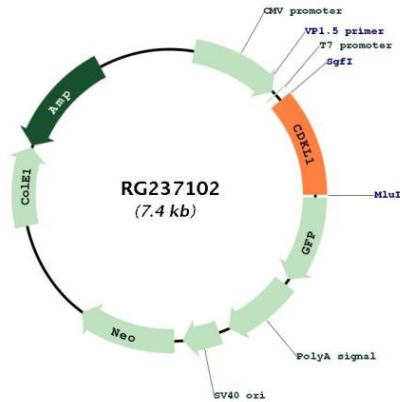
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

RefSeq: [NM_001282236.2](#)

RefSeq Size: 2217 bp

RefSeq ORF: 831 bp

Locus ID: 8814
Cytogenetics: 14q21.3
Protein Families: Druggable Genome, Protein Kinase
MW: 32.4 kDa
Gene Summary: 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]

Product images:


Circular map for RG237102