


# Accessing and Ordering BACs

1. Access Xenbase (<http://www.xenbase.org/entry/>)
2. Search for desired Gene page
3. On the gene page, click on the Gene Browser (see image bellow)

Summary [Expression \(0\)](#) [Gene Literature \(804\)](#) [GO Terms \(9\)](#) [Nucleotides \(366\)](#) [Proteins \(40\)](#) [Interactants \(921\)](#) [Wiki](#)  
XB-GENEPAGE- 482749

**Gene Symbol:** cdk1  
**Gene Name:** cyclin-dependent kinase 1



**Synonyms:** p34cdc2, cell division control protein 2 homolog, cdc-2, xcd2, cdc2, cdc28a, PSTAIR, cdc2x1.1, maturation-promoting factor, MPF, cdk1-b, cdk1-a  
[Add Xenopus synonyms](#), [Nomenclature history](#)

**Gene Function:** serine/threonine kinase

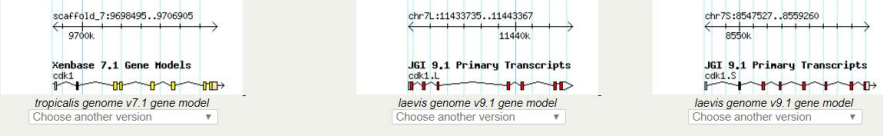
**Protein Function:** Plays a key role in the control of the eukaryotic cell cycle. It is required in higher cells for entry into S-phase and mitosis. Component of the kinase complex that phosphorylates the repetitive C-ter. [+]

**Interactants:** [Human Physical \(64\)](#) [Co-citation \(857\)](#)

**OMIM Disease Associations:**

Xenbase Gene ID	XB-GENE-482760	XB-GENE-6254942	XB-GENE-482764
Gene Symbol	cdk1	cdk1L	cdk1 S
Chromosome	scaffold_7	chr7L	chr7S
Molecules	tropicalis	laevis.L	laevis.S
Gene	<a href="#">GBrowse 7.1</a> <a href="#">JBrowse 7.1</a> <a href="#">GBrowse 4.1</a> <a href="#">JGI Genome 4.1</a> <a href="#">Ensembl 4.1</a>	<a href="#">GBrowse 9.1</a> <a href="#">JBrowse 9.1</a> <a href="#">GBrowse 7.2</a> <a href="#">JBrowse 7.2</a> <a href="#">GBrowse 6.0</a>	<a href="#">GBrowse 9.1</a> <a href="#">JBrowse 9.1</a> <a href="#">GBrowse 7.2</a> <a href="#">JBrowse 7.2</a> <a href="#">GBrowse 6.0</a>
mRNA	<a href="#">Entrez Gene</a>	<a href="#">Entrez Gene</a>	<a href="#">Entrez Gene</a>
Protein	<a href="#">Refseq</a> <a href="#">TrEMBL</a>	<a href="#">Refseq</a> <a href="#">Swiss-Prot</a>	<a href="#">Refseq</a> <a href="#">Swiss-Prot</a> <a href="#">TrEMBL</a>
Genomic	tropicalis	laevis.L	laevis.S

**Genome Browser**



Links

4. On the Gene Browser, make sure you have selected the BAC and Fosmid Track from the second tab (shown on the picture bellow)

**Xenbase** Genes

BLAST Genomes Expression Genes Anatomy & Development Reagents & Protocols Literature Community Stock Center Download & Submit Data

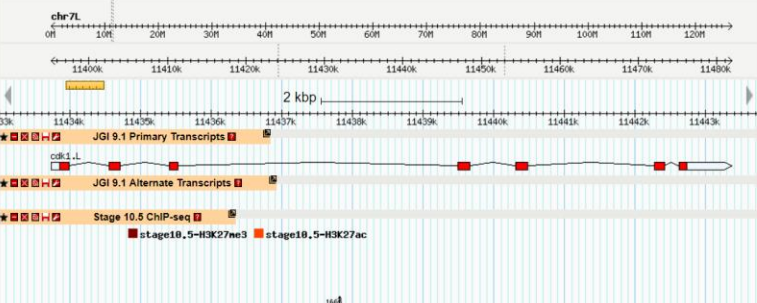
File Help

**Xenopus Laevis J-strain Version 9.1: 9.633 kbp from chr7L:11,433,735..11,443,367**

Browser **Select Tracks** Snapshots Community Tracks Custom Tracks Preferences

**Search**  
Landmark or Region: chr7L:11,433,735..11,443,367   
Data Source: Xenopus Laevis J-strain Version 9.1     
   
ScrollZoom:   Show 9.633 kbp    Flip

**Overview**



**Region**

**Details**

**Xenbase** Genes Searching for? Search

BLAST Genomes Expression Genes Anatomy & Development Reagents & Protocols Literature Community Stock Center Download & Submit Data

File Help

**Xenopus Laevis J-strain Version 9.1: 9.633 kbp from chr7L:11,433,735..11,443,367**

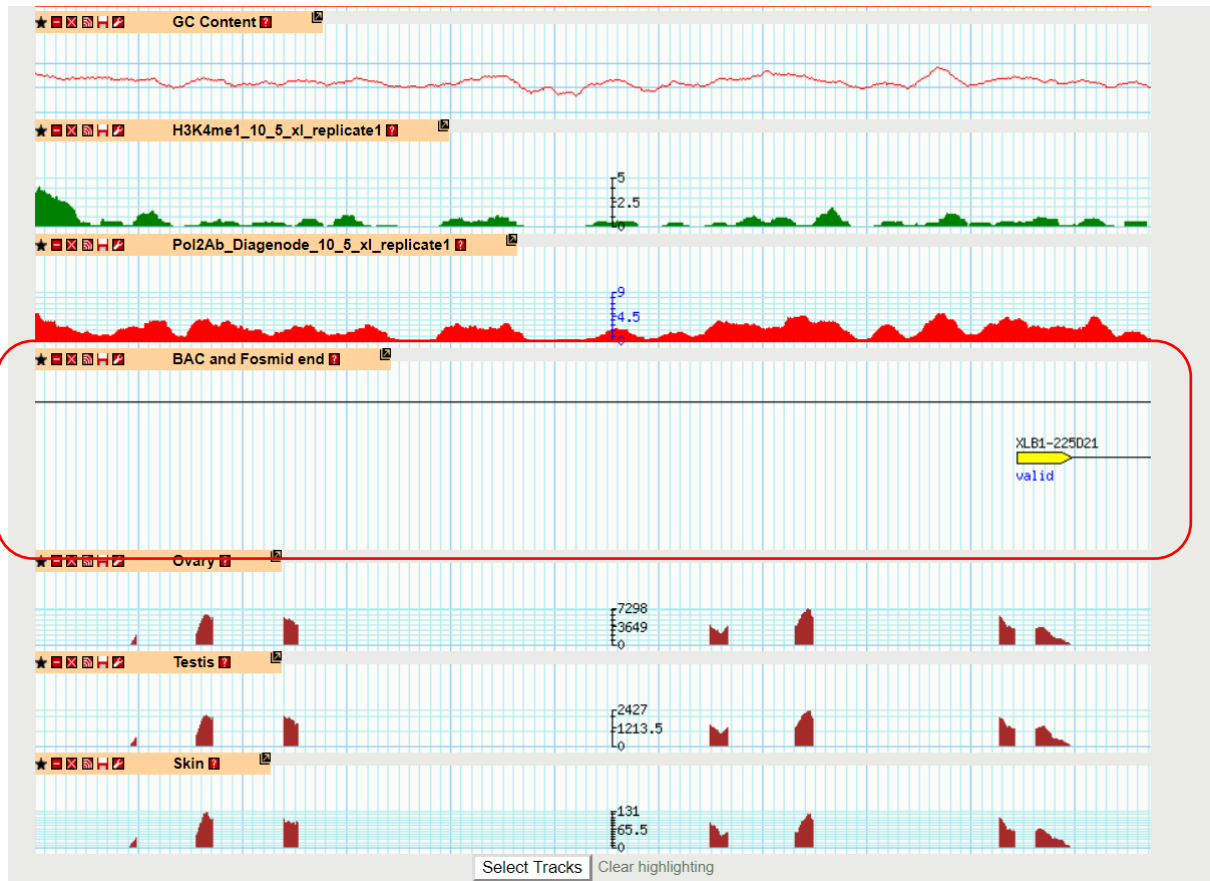
Browser Select Tracks Snapshots Community Tracks Custom Tracks Preferences

<< Back to Browser Show Active Tracks Only Show Favorites Only Clear All Favorites

**Tracks**

- Beta-Catenin ChIP-Seq  All on  All off
  - Beta-catenin stage 11.5 input ChIP-Seq
  - Beta-catenin stage 11.5 experiment ChIP-Seq
- Clones**  All on  All off
  - BAC and Fosmid end
- DNA  All on  All off
  - GC Content
- JGI  All on  All off
  - JGI 9.1 Primary Transcripts
  - JGI 9.1 Alternate Transcripts
- Methylation ChIP-Seq  All on  All off
  - H3K36me3\_10\_5\_xl\_replicate1
  - H3K36me3\_10\_5\_xl\_replicate2
  - H3K4me1\_10\_5\_xl\_replicate1
  - H3K4me1\_10\_5\_xl\_replicate2
  - H3K4me3\_10\_5\_xl\_replicate1
  - H3K4me3\_10\_5\_xl\_replicate2
  - input\_10\_5\_xl\_replicate1
  - p300\_10\_5\_xl\_replicate1
  - p300\_10\_5\_xl\_replicate2
  - Poi2Ab\_Diagenode\_10\_5\_xl\_replicate1
  - Poi2Ab\_Diagenode\_10\_5\_xl\_replicate2
- Stage\_Individual\_Replicates  All on  All off
  - nf\_stage\_35\_ueno\_SRR2517999
  - nf\_stage\_15\_ueno\_SRR2517991
  - nf\_stage\_105\_taira\_SRR2517975
  - nf\_stage\_35\_taira\_SRR2517981
  - nf\_stage\_20\_ueno\_SRR2517992
  - oocyte\_stage\_5\_6\_ueno\_SRR2517986
  - nf\_stage\_25\_ueno\_SRR2517993
  - nf\_stage\_30\_ueno\_SRR2517994
  - nf\_stage\_08\_ueno\_SRR2517997
  - nf\_stage\_20\_taira\_SRR2517978
  - nf\_stage\_10\_ueno\_SRR2517998
  - nf\_stage\_09\_taira\_SRR2517974
  - nf\_stage\_09\_ueno\_SRR2517988
  - oocyte\_stage\_1\_2\_ueno\_SRR2517984
  - nf\_stage\_15\_taira\_SRR2517977
  - nf\_stage\_40\_taira\_SRR2517982
  - nf\_stage\_35\_ueno\_SRR2517995
  - nf\_stage\_12\_ueno\_SRR2517990
  - nf\_stage\_30\_taira\_SRR2517980
  - nf\_stage\_25\_taira\_SRR2517979
  - nf\_stage\_40\_ueno\_SRR2517996

5. Go back to the browser and scroll down until you find the BAC and Fosmids track.



6. Click on the BAC and you can order by emailing us referencing the XLB1 number

## XLB1-225D21 Details

<b>Name:</b>	XLB1-225D21	
<b>Type:</b>	BAC	
<b>Description:</b>	valid	
<b>Source:</b>	BLAT	
<b>Position:</b>	<u>chr7L:11442438..11568175</u>	
<b>Length:</b>	125738	
<b>Note:</b>	valid	
<b>load_id:</b>	1484906	
<b>primary_id:</b>	1131102	
<b>gbrowse_dbid:</b>	general	
<b>Parts:</b>	<b>Type:</b>	clone_end
	<b>Source:</b>	BLAT
	<b>Position:</b>	<u>chr7L:11442438..11442967 (+ strand)</u>
	<b>Length:</b>	530
	<b>load_id:</b>	1484908
	<b>parent_id:</b>	1484906
	<b>primary_id:</b>	1131104
	<b>Type:</b>	clone_start
	<b>Source:</b>	BLAT
	<b>Position:</b>	<u>chr7L:11567837..11568175 (- strand)</u>
	<b>Length:</b>	339
	<b>load_id:</b>	1484907
	<b>parent_id:</b>	1484906
	<b>primary_id:</b>	1131103

```
>XLB1-225D21 class=Sequence position=chr7L:11442438..11568175  
GAGCTCATTG GGTTCATCAT TGTGTGGGT TTGGGAACAG AGACCAGCCC TAGACAGATT TCTTTGGTTT GGGCTGAAAA  
TGTTGCACC TGGATTGACC TATTCAACTG GGCAGTCCCC CCCCCCCCN NNNNNNNNA GGTTGTTCTG GATCTAAAAA  
TCTTATAACT TCTTCTTTA CAGAAAATGC TAGTCTATGA TCCCGCCAAG AGGATTTCCG CACGAAAAGC TATGCTGCAC  
CCCTACTTCG ACGACTTGA TAAGTCCAGC CTTCTGCCA ATCAGATCAG GAATTA AAC GGC AACGTT GTTCTTTG
```