

Product datasheet for **RR208918**

Ctnnbl1 (NM_001024870) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctnnbl1 (NM_001024870) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ctnnbl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR208918 representing NM_001024870
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACGTGGCGAACTTTTAAGCTACCAGCCCAACAGGGGCACAAAACGACCCCGGATGATGAGGAAG
 AAGAACTGAAGACTCGTCGAAAACAACTGGTCCCTCGAGAACGAGGTCGCTATCGTGAAGACGAGGCCAC
 AGCAGCTGAAGACGCAGATGATGACAAGAAAAGGCTGCTGCAGATTATTGACAGGGACGGCGAGGAAGAG
 GAGGAGGAGGAGAACCGCTGGATGAAAGCTCAGTGAAGAAGATGATCCTCACATTGCAAAAACGATCGT
 ACAAAAACCAGGAGCTGCGGATCAAGTTCCAGACAATCCAGAGAAGTTCATGGAATCCGAGCTGGACCT
 CAATGATATCATTAGGAGATGCATGTGGTGGCCACCATGCCTGACCTGTACCACCTTCTCGTGGAGCTG
 AGCGCTGTGCAGTCGCTTCTCGGCTTGTGGGACACGATAATACAGATGTGTCCATAGCTGTGGTCGATC
 TCCTTCAGGAGCTGACAGACATAGACACCCTCCACGAGAGTGAAGAAGGAGCAGAAGTTCATCGATGC
 CCTTGTGGATGGACAGGTGGTGCCTACTATTGGTGCAGAATCTGGAGCGCCTGGATGAGTCTGTGAGGGAG
 GAGGCTGATGGTGTCCACAACACCCTAGCTATTGTGGAGAACATGGCGGAGTTCCTCCAGAGATGTGCA
 CGGAGGCTGCCAGCAGGACTCCTGCAGTGGCTGTTGAAGAGGCTAAAGGCCAAGATGCCCTTTGATGC
 CAACAAGCTCTACTGCAGCGAAGTGTGGCCATCCTCCTCCAGGACAATGATGAAAACAGGGAATTGCTG
 GGAGAGCTGGATGGAATCGATGTGCTTCTTCAGCAGTTATCCGTATTTAAAAGACACAACCCAGCACCG
 CTGAGGAGCAGGAGATGATGGAGAACCTGTTGACGCCCTCTGTTCTGCTTGTGCTCAGCTCCAATCG
 GGAGCGCTTCTGAAGGGTGAGGGCCTTCAGCTCATGAACCTCATGCTCAGGGAGAAGAAGATCTCCCGG
 AGCAGTCCCTGAAGGTACTGGACCACGCCATGATTGGCCGGAAGGCGCAGACAACCTGCCACAAGTTTG
 TTGACATCTGGGCTTACGGACCATTTCCACTCTTCATGAAGTCTCCCGGAAGATCAAGAAGGTGGG
 AACACAGAGAAGGAACACGAAGAGCATGTCTGTTCGATCCTGGCTTCCCTCCTGCGCAACCTGAGAGGG
 CAGCAGCGGACCCGGCTTCTGAATAAATTTACGGAGAACGACAGTGAAGAAGTTCGACAGACTAATGGAGC
 TGCATTTTAAATATCTAGGTGCAATGCAGGTGGCTGACAAGAAGATTGAAGGGGAGAAAACATGACATAGT
 GCGGCGTGGGAGATCATAGACAATGACATGGAGGACGAGTTCTACCTGCGGCGCCTGGATGCCGCGCTC
 TTCATCTACAGCACATCTGCTACATCATGGCGGAGATCTGCAATGCCAATGTCCCCAGATTGCCAGC
 GAGTTCACCAGATCCTGAACATGCGTGGCAGCTCCATCAAGATCGTCAGGCACATCATCAAGGAGTACGC
 AGAGAACATTGGAGATGGCCGGAGCCCTGAGTTCGAGAGACCGAGCAGAAGCGCATCCTGGCTTGTG
 GAGAACTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208918 representing NM_001024870
 Red=Cloning site Green=Tags(s)

MDVGELLSYQPNRGTKRPRDDEEEELKTRRKQTGPRERGRYREDEATAAEDADDDKRLQLIIDRDGEEE
 EEEEEPLDESSVKMILTFEKRSYKNQELRIKFPDNPEKFMESELDLNDIIQEMHVATMPDLYHLLVEL
 SAVQSLLGLLGHNDTDSIAVVDLLQELTDIDTLHESEEGAEVLIDALVDGQVVALLVQNLERLDESvre
 EADGVHNTLAIVENMAEFRPEMCTEAAQQGLLQWLLKRLKAKMPFDANKLYCSEVLAILLQDNDENRELL
 GELDGDVLLQQLSVFKRHPSTAEQEEMENLFDALCSCLMLSSNRERFLKGEGLQLMNLMLREKKISR
 SSALKVLDHAMIGPEGADNCHKFVDILGLRTIFPLFMKSPRKIKKVGTTTEKEHEEHVCSILASLLRNLRG
 QQRTRLLNKFTEADSEKVDRLMELHFKYL GAMQVADKKIEGEKHDI VRRGEIIDNDMEDEFYLRRLDAGL
 FILQHICYIMAEICNANVPQIRQRVHQILNMRGSSIKIVRHI IKEYAENIGDGRSPEFRETEQKRILGLL
 ENF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001024870

ORF Size: 1689 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).

- Reconstitution Method:**
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_001024870.1](#), [NP_001020041.1](#)
RefSeq Size: 1920 bp

RefSeq ORF: 1692 bp

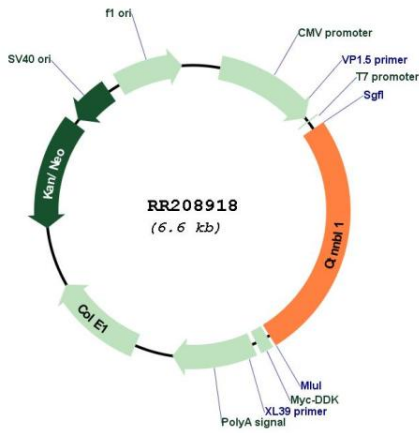
Locus ID: 296320

UniProt ID: [Q4V8K2](#)
Cytogenetics: 3q42

MW: 64.9 kDa

Gene Summary: Component of the PRP19-CDC5L complex that forms an integral part of the spliceosome and is required for activating pre-mRNA splicing. Participates in AID/AICDA-mediated Ig class switching recombination (CSR). May induce apoptosis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR208918