

Product datasheet for **MR208921**

Ctnnb1 (NM_025680) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctnnb1 (NM_025680) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ctnnb1
Synonyms:	5730471K09Rik; NAP; NYD-SP19; P14L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208921 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGTGGCGAACTTTTAAGCTACCAGCCCAACAGGGGCACAAAACGACCCCGGATGATGAGGAAG
 AAGAACTGAAGACACGCCGAAGCAAAGTGGTCCCTCGAGAACCGGCCGCTATCGCGAAGAGGAGGCCAC
 GGCAGCCGAAGACACAGCTGATGACAAGAAAAGGCTGCTGCAGATTATTGACAGGGATGGCGAGGAAGAA
 GAGGAGGAGGAGGCCCTGGATGAAAGCTCAGTGAAGAAGATGATTCTCACATTTGAGAAGCGATCCT
 ACAAAAACCAGGAGCTGCGGATCAAGTTCCAGACAATCCGGAGAAGTTCATGGAATCCGAGCTGGACCT
 CAATGACATCATTAGGAGATGCACGTGGTGGCCACCATGCCTGACCTGTACCACCTTCTCGTGGAGCTG
 AGTGCCGTGCAGTCACTTCTCTGCTTGTGGGACATGATAATACAGATGTGTCCATAGCTGTGGTCGATC
 TCCTCCAGGAGCTGACAGACATAGACACCCTCCACGAGAGTGAAGAAGGAGCAGAAGTTCATCGACGC
 CCTGGTGGACGGCAGGTGGCCGATTGTTGGTGCAGAATCTGGAGCGCCTGGATGAGTCTGTGAGGGAG
 GAGGCTGATGGCGTCCACAACACCCTAGCTATTGTGGAGAATATGGCCGAGTTCCTCCGGAGATGTGCA
 CAGAGGCTGCCAGCAGGACTCCTGCAGTGGCTGTTGAAGAGGCTGAAGGCCAAGATGCCCTTCGATGC
 CAACAAGCTGACTGTAGTGAAGTGTGGCCATCCTCCTCCAGGACAATGACGAAAAACAGGGAATTGCTG
 GGAGAGCTGGATGGCATTGACGTGCTTCTTCAGCAGTTATCCGTATTTAAAGACACAACCCAGCACCG
 CTGAGGAGCAGGAAATGATGGAGAACCTGTTTCGATGCGCTCTGTTCTGCTTAATGCTCAGCTCCAATCG
 AGAGCGCTTCTGAAGGGCGAGGGGCTGCAGCTCATGAACCTCATGCTCAGGGAGAAGAAGTCTCCCGG
 AGCAGCGCCCTGAAGGTGCTGGACCATGCCATGATTGGCCTGAAGGCACAGACAACCTGCCACAAGTTTG
 TTGACATCTTGGCTTACGGACCATTTTCCACTCTTCATGAAGTCTCCTCGAAAAATCAAGAAGGTGGG
 AACCCACAGAGAAGGAGCATGAAGAGCATGTCTGTTTCGATCCTGGCTTCCCTCCTGCGCAACCTGAGAGGG
 CAGCAGCGGACCCGGCTTCTGAATAAATTTACGGAGAACGACAGTGAAGAAGTTGACAGACTAATGGAGC
 TGCATTTTAAATATCTCAGCGCAATGCAGGTGGCCGACAAGAAGATTGAAGGGGAGAAAACATGACATAGT
 GCGGCGTGGGAGATCATAGACAATGACATGGAGGACGAGTTCTACCTGCGGCGCCTGGATGCCGGGCTC
 TTCATCTACAGCACATCTGTTACATCATGGCGGAGATCTGCAATGCCAATGTCCCCAGATTGCCAGC
 GGGTTCACCAGATCCTGAACATGCGTGGCAGCTCCATCAAGATCGTCAGGCACATCATCAAGGAGTACGC
 AGAGAACATTGGAGATGGCCGGAGCCCTGAGTTCGGGAGACCGAGCAGAAGCGCATCCTGGCCTTGTG
 GAGAACTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208921 protein sequence
 Red=Cloning site Green=Tags(s)

MDVGELLSYQPNRGTKRPRDDEEEELKTRRKQTGPRERGRYREEEATAAEDTADDDKRLQLIIDRDGEE
 EEEEEPLDESSVKKMILTFEKRSYKNQELRIKFPDNPEKFMSELDLNDIIQEMHVATMPDLYHLLVEL
 SAVQSLCLLGHNDTIVSIAVVDLLQELTDIDTLHESEEGAEVLIDALVDGQVAALLVQNLERLDES
 VRE EADGVHNTLAIVENMAEFRPEMCTEAAQQGLLQWLLKRLKAKMPFDANKLYCSEVLAILLQDNDENRELL
 GELDGDIDVLLQQLSVFKRHNPTAEEQEMMENLFDALCSCLMLSSNRERFLKGEGLQLMNLMLREKKVSR
 SSALKVLDHAMIGPEGTDNCHKFVDILGLRTIFPLFMKSPRKIKKVGTTTEKEHEEHVCSILASLLRNL
 RG QQRTRLLNKFTEADSEKVDRLMELHFKYLSAMQVADKKIEGKHDIVRRGEIIDNDMEDEFYLRRLDAGL
 FILQHICYIMAEICNANVPQIRQRVHQILNMRGSSIKIVRHIIEKEYAENIGDGRSPEFRETEQKRILALL
 ENF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_025680

ORF Size: 1692 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_025680.1](#), [NM_025680.2](#), [NM_025680.3](#), [NM_025680.4](#), [NP_079956.2](#), [NP_079956.3](#)

RefSeq Size: 2731 bp

RefSeq ORF: 1692 bp

Locus ID: 66642

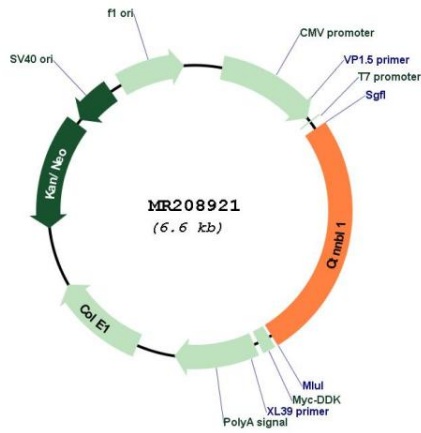
UniProt ID: [Q9CWL8](#)

Cytogenetics: 2 78.4 cM

MW: 65 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. May induce apoptosis (By similarity). Participates in AID/AICDA-mediated Ig class switching recombination (CSR).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208921