

Product datasheet for **RR200930**

Ctnnb1 (NM_053357) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctnnb1 (NM_053357) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ctnnb1
Synonyms:	Catnb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR200930 representing NM_053357
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCTACTCAAGCTGACCTCATGGAGTTGGACATGGCCATGGAGCCAGACAGAAAGGCCGCTGTACGCC
ACTGGCAGCAGCAATCTTACCTGGATTCTGGAATCCACTCTGGTGCCACCACCACAGCTCCTTCCCTGAG
TGGCAAGGGCAATCCTGAGGAAGAAGATGTGGACACCTCCCAAGTCCTTTATGAGTGGGAGCAAGGCTTT
TCCAGTCCTTACGCAAGAGCAAGTAGCTGACATTGACGGTCAGTACGCCATGACTCGGGCTCAGAGGG
TCCGAGCTGCCATGTTCCCTGAGACACTAGATGAGGGCATGCAGATCCCATCCACGCAGTTTGATGCCGC
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CATCATGCGCTCCCTCAGATGGTGTCTGCCATAGTGCGCACCATGCAGAATACAATGAGCTAGAAAACA
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GCTGGAATTCTCTCTAACCTCACTTGAATAATTACAAAAACAAGATGATGGTGTGCCAAGTGGGTGGCA
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TCCGAAACCTTGGCCTTGGCCAGCAAATCATGCGCCTTTCGGGAACAGGGTGGATCCCACGACTAGT
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GGTGGCCAGGGAGAAGCCCTTGGATATCGCCAGGACGATCCCAGCTACCGTCTTTTCACTCTGGTGGAT
ACGGCCAGGACGCCTTGGGATGGACCTATGATGGAGCATGAGATGGGTGGCCACCACCCTGGTGTGA
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AGCAATCAGCTGGCCTGGTTTGTATCCGACCTG

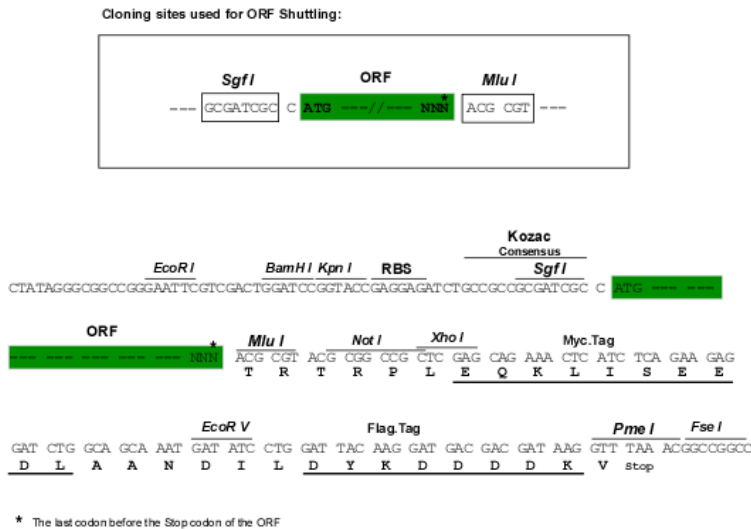
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200930 representing NM_053357
 Red=Cloning site Green=Tags(s)

MATQADLMELDMAMEPDRKAAVSHWQQSYLDSGIHSGATTTAPSLSGKGNPEEEDVDTSQVLYEWEQGF
 SQSFTQEQVADIDGOYAMTRAQRVRAAMFPETLDEGMQIPSTQFDDAAHPTNVQRLAEPQMLKHAVVNI
 NYQDDAELATRAIPELTKLLNDEDQVVVNKAAMVHQLSKKEASRHAIMRSPQMVAIVRTMONTNDVET
 ARCTAGTLHNLSHHREGLLAIFKSGGIPALVKMLGSPVDSVLFYAITTLHNLHLLHQEGAKMAVRLAGGLQ
 KMVALLNKTNVKFLAITTDCLQILAYGNQESKLIILASGGPQALVNIMRTYTYEKLLWTTSRVLKVL SVC
 SSNKPAIVEAGGMQALGPHLTDPSQRLVQNCLWTLRNLSDAATKQEGMEGLLGTLVQLLGSDDINVTCA
 AGILSNLTCNNYKNMMVCQVGGIEALVRTVLRAGDREDITEPAICALRHLLSRHQEAEMAQNAVRLHYG
 LPVVVLLHPPSHWPLIKATVGLIRNLALCPANHAPLREQGAIPRLVQLLVRAHQDTQRRTSMGGTQQQF
 VEGVRMEEIVEGCTGALHILARDVHNRI VIRGLNTIPLFVQLLYSPIENIQRVAAGVLCELAQDKEAAEA
 IEAEGATAPL TELLHSRNEGVATYAAAVLFRMSEDKPQDYKKRLSVELTSSLFRTEPMAWNETADLGLDI
 GAQGEALGYRQDDPSYRSFHSGGYGQDALGMDPMEHEMGGHHPGADYPVDGLPDLGHAQDLM DGLPPGD
 SNQLAWFDTDL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_053357

ORF Size: 2343 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_053357.2](#), [NP_445809.2](#)

RefSeq Size: 2352 bp

RefSeq ORF: 2346 bp

Locus ID: 84353

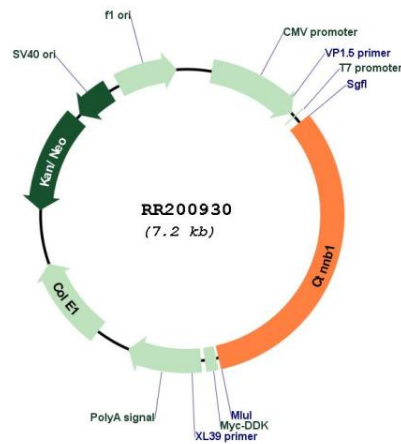
UniProt ID: [Q9WU82](#)

Cytogenetics: 8q32

MW: 85.5 kDa

Gene Summary: involved in mediating the interaction between cadherins and the actin cytoskeleton [RGD, Feb 2006]

Product images:



Circular map for RR200930