

#### **OriGene Technologies, Inc.**

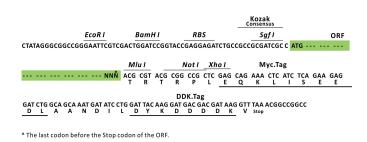
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# Product datasheet for RC208947L1

## beta Catenin (CTNNB1) (NM\_001904) Human Tagged Lenti ORF Clone

### **Product data:**

Product Type:	Expression Plasmids
Product Name:	beta Catenin (CTNNB1) (NM_001904) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	beta Catenin
Synonyms:	armadillo; CTNNB; EVR7; MRD19; NEDSDV
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208947).
<b>Restriction Sites:</b>	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf1         ORF         Mlu I            GCG ATC GCIC         ATG //         NNN ACG CGT



ACCN: ORF Size:

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NM\_001904

2343 bp

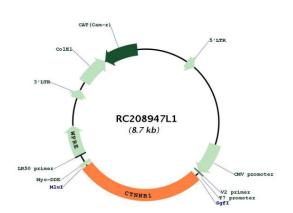
of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts areduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.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. polymorphinsm), 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 infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.OTI Annotation: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).Censetitution 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 inclubate for 10 minutes at noom 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.NM 601904.21499UniProt ID:1932222Optionaries:3022.1Norigenetics:3222.1Optionaries:Curgenetics:rotein Families:Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors<		oeta Catenin (CTNNB1) (NM_001904) Human Tagged Lenti ORF Clone – RC208947L1
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<b>/W:</b> 85.3 kDa	Protein Pathways:	carcinoma, Colorectal cancer, Endometrial cancer, Focal adhesion, Leukocyte transendothelial migration, Melanogenesis, Pathogenic Escherichia coli infection, Pathways in cancer, Prostate
	MW:	85.3 kDa

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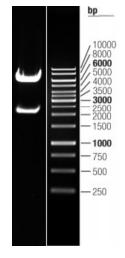
#### Seta Catenin (CTNNB1) (NM\_001904) Human Tagged Lenti ORF Clone – RC208947L1

Gene Summary:The protein encoded by this gene is part of a complex of proteins that constitute adherens<br/>junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by<br/>regulating cell growth and adhesion between cells. The encoded protein also anchors the<br/>actin cytoskeleton and may be responsible for transmitting the contact inhibition signal that<br/>causes cells to stop dividing once the epithelial sheet is complete. Finally, this protein binds to<br/>the product of the APC gene, which is mutated in adenomatous polyposis of the colon.<br/>Mutations in this gene are a cause of colorectal cancer (CRC), pilomatrixoma (PTR),<br/>medulloblastoma (MDB), and ovarian cancer. Alternative splicing results in multiple transcript<br/>variants. [provided by RefSeq, Aug 2016]

### **Product images:**



Circular map for RC208947L1



Double digestion of RC208947L1 using Sgfl and Mlul

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