

Product datasheet for RC219207L3

OriGene Technologies, Inc.

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gamma Catenin (JUP) (NM_021991) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: gamma Catenin (JUP) (NM_021991) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: gamma Catenin

Synonyms: CTNNG; DP3; DPIII; PDGB; PG; PKGB

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

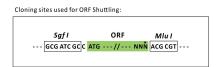
ORF Nucleotide The ORF insert of this clo

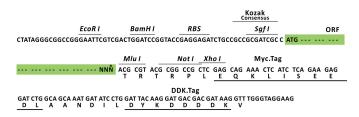
Sequence:

The ORF insert of this clone is exactly the same as(RC219207).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_021991

ORF Size: 2235 bp





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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: <u>NM 021991.1</u>

 RefSeq Size:
 3211 bp

 RefSeq ORF:
 2238 bp

 Locus ID:
 3728

 UniProt ID:
 P14933

 UniProt ID:
 P14923

 Cytogenetics:
 17q21.2

Domains: Armadillo seg

Protein Families: Druggable Genome

Protein Pathways: Acute myeloid leukemia, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Pathways

in cancer

MW: 81.7 kDa

Gene Summary: This gene encodes a major cytoplasmic protein which is the only known constituent common

to submembranous plaques of both desmosomes and intermediate junctions. This protein forms distinct complexes with cadherins and desmosomal cadherins and is a member of the catenin family since it contains a distinct repeating amino acid motif called the armadillo repeat. Mutation in this gene has been associated with Naxos disease. Alternative splicing occurs in this gene; however, not all transcripts have been fully described. [provided by

RefSeq, Jul 2008]