

Product datasheet for RC230664L3

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

TJP2 (NM_001170415) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: TJP2 (NM 001170415) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: TJP2

Synonyms: C9DUPq21.11; DFNA51; DUP9q21.11; FHCA1; PFIC4; X104; ZO2

Mammalian Cell Puromycin

Selection:

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

Sgfl-Mlul

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC230664).

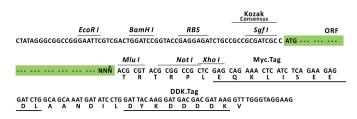
Sequence:

Restriction Sites:

Cloning Scheme:

Cloning sites used for ORF Shuttling:





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

ACCN: NM_001170415

ORF Size: 3471 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 001170415.1, NP 001163886.1</u>

RefSeq ORF: 3474 bp **Locus ID:** 9414

UniProt ID: Q9UDY2

Cytogenetics: 9q21.11

Protein Pathways: Tight junction, Vibrio cholerae infection

MW: 130.9 kDa

Gene Summary: This gene encodes a zonula occluden that is a member of the membrane-associated

guanylate kinase homolog family. The encoded protein functions as a component of the tight junction barrier in epithelial and endothelial cells and is necessary for proper assembly of tight junctions. Mutations in this gene have been identified in patients with hypercholanemia, and genomic duplication of a 270 kb region including this gene causes autosomal dominant deafness-51. Alternatively spliced transcripts encoding multiple isoforms have been observed

for this gene. [provided by RefSeq, Nov 2011]