**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 RC230677L3V

## TJP2 (NM_001170416) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | TJP2 (NM_001170416) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | TJP2 |
| **Synonyms:** | C9DUPq21.11; DFNA51; DUP9q21.11; FHCA1; PFIC4; X104; ZO2 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_001170416 |
| **ORF Size:** | 3663 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC230677). |
| **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. |
| **RefSeq:** | NM_001170416.1 |
| **RefSeq ORF:** | 3666 bp |
| **Locus ID:** | 9414 |
| **UniProt ID:** | Q9UDY2 |
| **Cytogenetics:** | 9q21.11 |
| **Protein Pathways:** | Tight junction, Vibrio cholerae infection |
| **MW:** | 137.8 kDa |

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**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]