

## Product datasheet for **RC205295L1V**

### TJP2 (NM\_004817) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	TJP2 (NM_004817) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TJP2
Synonyms:	C9DUPq21.11; DFNA51; DUP9q21.11; FHCA1; PFIC4; X104; ZO2
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_004817
ORF Size:	3570 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205295).
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. <a href="#">More info</a>
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:	<a href="#">NM_004817.2</a>
RefSeq Size:	4618 bp
RefSeq ORF:	3573 bp
Locus ID:	9414
UniProt ID:	<a href="#">Q9UDY2</a>
Cytogenetics:	9q21.11
Domains:	SH3, PDZ, Guanylate_kin, GuKc
Protein Pathways:	Tight junction, Vibrio cholerae infection



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**MW:** 133.8 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]