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Product datasheet for RC230621

TJP2 (NM_001170414) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TJP2 (NM_001170414) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TJP2
Synonyms:	C9DUPq21.11; DFNA51; DUP9q21.11; FHCA1; PFIC4; X104; ZO2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

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>RC230621 representing NM_001170414
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC230621 representing NM_001170414
Red=Cloning site Green=Tags(s)

MEELIWEQYTVTLQKDSKRGFGIAVSGGRDNPHFENGETSIVISDVLPGGPADGLLQENDRVVMVNGTPM
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

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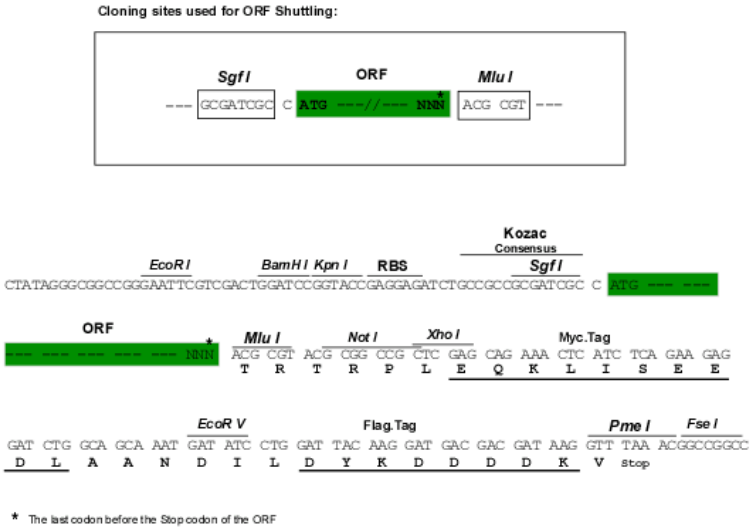
Cloning Scheme:



ACCN:	NM_001170414
ORF Size:	3060 bp
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:	NM_001170414.2, NP_001163885.1
RefSeq Size:	4129 bp
RefSeq ORF:	3063 bp

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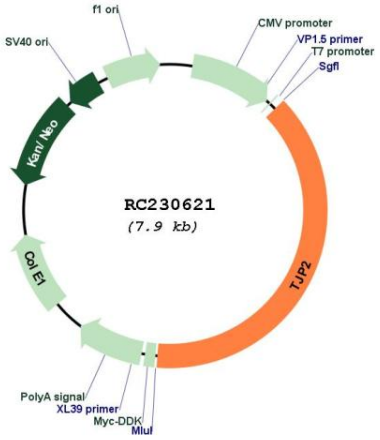
Locus ID:	9414
Cytogenetics:	9q21.11
Protein Pathways:	Tight junction, Vibrio cholerae infection
MW:	115.2 kDa
Gene Summary:	This gene encodes a zonula occluden that is a member of the membrane-associated guanylate kinase homolog family. The encoded protein functions as a component of the tight junction 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]

Product images:



Circular map for RC230621

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