

Product datasheet for **RC228958**

TJAP1 (NM_001146016) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TJAP1 (NM_001146016) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TJAP1
Synonyms:	PILT; TJP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC228958 representing NM_001146016
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTAGTGCCGCCCTGCTAAGAAACCTACCGTAAGGCACCACCAGAGCATCGGGAGCTGCGTTTGG
 AAATTCCTGGATCCCGCTTGAGCAGGAGGAACCCCTGACTGATGCAGAAAGGATGAAGCTTTACAGGA
 GGAGAATGAAGAGCTTCGCCGGCCTGGCCTCCGCCACCAGACGCACTGAGGCCCTGGAACGTGAGCTG
 GAAATTGGGCAGGACTGCCTGGAGCTGGAGCTGGGCCAGAGCCGCGAGGAGCTGGACAAATTTAAGGATA
 AGTTCCGAGGCTGCAGAACAGCTACACGGCTTCCAGCGGACCAACCAGGAGTTGGAGGACAAGCTGCA
 CACTGGCCTCTTAGCCACAGCTGGATTTTGAATCAAGAAGGCTGAGATGGATAGGAAGACGCTG
 GACTGGGAGATTGTGGAGCTGACCAACAAGCTGCTGGATGCCAAGAACCACCAACAAGCTGGAAGAGC
 TCAATGAGCGGTACCGGCTGGACTGCAACCTGGCTGTACAGCTCCTCAAGTGAACAAGTCCCACTCCG
 AAACCACAAGTTGCCGATCTGCCCTGTGAGCTACAGGACATGGTTCGGAACATTTGCACAGTGGTCAA
 GAGGCCGCCAGCCAGGTCTGCTCCAGCCTAGCCCCAGGGGCTGTGGTGCCTACCTCAGTCATTGCC
 GAGTGTTAGAGAAGCCGAGTCTCTACTGCTCAATTCAGCCCAGTCAGGCAGCGCCGGGCCCCCTTGGC
 TGAGGATGCTTTGTGCATGTGGACATGAGTGAGGGTGTCCCAGGTGATCCAGCCAGTCCCCCGGCCCT
 GGCAGCCCCACCCACAACCCAAATGGGGAGTGCCACTCTCTGGTACTGCCAGGGGCTCCCCGGAGGAAG
 AGCTGCCCTGCCAGCCTTTGAGAAGCTGAACCCCTACCAACCCCGTCTCCACCACCCCACTGTATCC
 TGGCCGACGGTAATAGATTCTCTGAGGATAAGGTTCCGATCCCCGCAACAGCCCCCTGCCAACTGC
 ACTTACGCTACCCGCCAGGCCATTTCCCTGAGCCTGGTAGAGGAGGGAGTGAGCGGGCCCGCCAGCC
 CAGTGCCACAGCCCTGCCTCAGCCAGGCCTCACCCACCAGCCAGCCAGCCAGCCCAACTAACACT
 CAGTGCCCCAGCTAGCTCTGCCAGCTCTGAAGAGGACTGCTGGTCAAGTGGCAGCGGGGCAATTTGTGGAC
 CGTACTCCACCACCTGCTGCTGTGGCCAGCGCACAGCCTTTGGACGCGATGCCCTCCCTGAGCTGCAGC
 GCCATTTTGCCATAGCCCCGCTGACAGAGATGAGGTGGTCCAGGCACCTTCTGCCCGACCCGAAGAGAG
 TGAGCTTTTGCTACCCACAGAACCTGACTCTGGCTTTCCAGGGAGGAAGAAGAGCTGAACCTGCCTATC
 AGTCTGAGGAAGAGCGCCAGAGCCTGCTGCCATTAACAGGGGCACAGAGGAGGGGCCAGGCATTCCC
 ACACCGAGGGCAGGGCCTGGCCACTCCCAGCTCCAGTCGCCCCAGCGCAGCCCAAGAGGATGGGGT
 TCACCACCTGCACCGCAAGGACAGCCTGACCCAGGCCAGGAGCAGGGCAACCTGCTCAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC228958 representing NM_001146016
 Red=Cloning site Green=Tags(s)

MTSAAPAKKPYRKAPPEHRELRLLEIPGSRLEQEEPLTDAERMKLLQEENEELRRRLASATRRTEALERE
 EIGQDCLELELQGSREELDKFKDKFRRLQNSYASQRTNQELEDKHLTLASLSHWIFAIKKAEMDRKTL
 DWEIVELTNKLLDAKNTINKLEELNERYRLDCNLAVQLLKNKSHFRNHKFADLPCELQDMVRKHLHSGQ
 EAASPGPAPSLAPGAVVPTSVIARVLEKPESELLNSAQSGSAGRPLAEDVFVHVDMSEGVPGDPASPAP
 GSPTPQPNGECHSLGTARGSPPEELPLPAFEKLNYPYTPSPHPLYPGRRVIEFSEDKVRIPRNSPLPNC
 TYATRQAIISLSLVEEGSERARSPVPSTPASAQASPHHQSPAPLTLAPASSASSEEDLLVSWQRAFVD
 RTPPPAAVAQRTAFGRDALPELQRHFAHSPADRDEVVQAPSARPEESELLLPTEPDSGFPREEEELNLP
 SPEERQSLLPINRGTEEGPGTSHTEGRAWPLPSSSRPQRSPKRMGVHHLHRKDSLTAQAEQGNLLN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja3253_h02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001146016

ORF Size: 1671 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001146016.1](#), [NP_001139488.1](#)

RefSeq Size: 2761 bp

RefSeq ORF: 1674 bp

Locus ID: 93643

UniProt ID: [Q5JTD0](#)

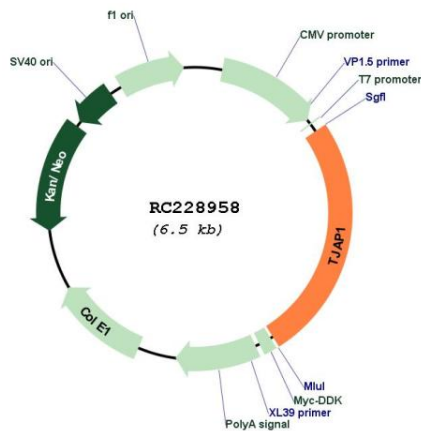
Cytogenetics: 6p21.1

Protein Pathways: Tight junction

MW: 61.8 kDa

Gene Summary: This gene encodes a tight junction-associated protein. Incorporation of the encoded protein into tight junctions occurs at a late stage of formation of the junctions. The encoded protein localizes to the Golgi and may function in vesicle trafficking. Alternatively spliced transcript variants have been described. A related pseudogene exists on the X chromosome. [provided by RefSeq, Mar 2009]

Product images:



Circular map for RC228958