

Product datasheet for **RC228955**

TJAP1 (NM_001146019) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TJAP1 (NM_001146019) 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)



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ORF Nucleotide Sequence:

>RC228955 representing NM_001146019
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTAGTGCCGCCCTGCTAAGAAACCTACCGTAAGGCACCACCAGAGCATCGGGAGCTGCGTTTGG
 AAATTCCTGGATCCCGGCTTGAGCAGGAGGAACCCCTGACTGATGCAGAAAGGATGAAGCTTTACAGGA
 GGAGAATGAAGAGCTTCGCCGGCCTGGCCTCCGCCACCAGACGCACTGAGGCCCTGGAACGTGAGCTG
 GAAATTGGGCAGGACTGCCTGGAGCTGGAGCTGGGCCAGAGCCGCGAGGAGCTGGACAAATTTAAGGATA
 AGTTCCGAGGCTGCAGAACAGCTACACGGCTTCCAGCGGACCAACCAGGAGTTGGAGGACAAGCTGCA
 CACTGATCAAGAAGGCTGAGATGGATAGGAAGACGCTGGACTGGGAGATTGTGGAGCTGACCAACAAG
 CTGCTGGATGCCAAGAACACCATCAACAAGCTGGAAGAGCTCAATGAGCGGTACCGGCTGGACTGCAACC
 TGGCTGTACAGCTCCTCAAGTCAACAAGTCCCCTTCCGAAACCACAAGTTTCCGATCTGCCCTGTGA
 GCTACAGGACATGGTTTCGAAACATTTGCACAGTGGTCAAGAGGCCGCCAGCCAGTCTGCTCCCAGC
 CTAGCCCCAGGGCTGTGGTGCCTACCTCAGTCATTGCCCGAGTGTAGAGAAGCCGGAGTCTACTGC
 TCAATTACGCCAGTCAGGCAGCGCCGGCGCCCTTGGCTGAGGATGTCTTTGTGCATGTGGACATGAG
 TGAGGGTGTCCCAGGTGATCCAGCCAGTCCCCGGCCCCCTGGCAGCCCCACCCACAACCAATGGGGAG
 TGCCACTCTCTGGTACTGCCAGGGCTCCCCGGAGGAAGAGCTGCCCTGCCAGCCTTTGAGAAGCTGA
 ACCCTACCAACCCCTCTCCACCACACCCACTGTATCTGGCCGAGGGTAATAGAGTTCTCTGAGGA
 TAAGTTTCGGATCCCCGCAACAGCCCCCTGCCAACTGCACTTACGCTACCCGCCAGGCCATTTCCCTG
 AGCCTGGTAGAGGAGGGGAGTGAGCGGGCCCGCCAGCCAGTCCCAAGCACCCTGCCAGCCAGG
 CCTCACCCACCAGCCAGCCAGCCAGCCCTAACACTCAGTGCCCCAGCTAGCTCTGCCAGCTCTGA
 AGAGGACCTGCTGGTCACTGGCAGCGGCATTTGTGGACCGTACTCCACCACCTGCTGCTGTGGCCAG
 CGCACAGCCTTTGGACGCGATGCCCTCCCTGAGCTGCAGCGCCATTTTGGCCATAGCCCCGCTGACAGAG
 ATGAGGTGGTCCAGGCACCTTCTGCCGACCCGAAGAGAGTGGCTTTTGTACCCACAGAACCTGACTC
 TGGCTTTCCAGGGAGGAAGAAGAGCTGAACCTGCCTATCAGTCTGAGGAAGAGCGCCAGAGCCTGCTG
 CCCATTAACAGGGGCACAGAGGAGGGGCCAGGCACTTCCACACCGAGGGCAGGGCTGGCCACTCCCCA
 GCTCCAGTCGCCCCAGCGCAGCCCAAGAGGATGGGGTTTACCACCTGCACCGCAAGGACAGCCTGAC
 CCAGGCCAGGAGCAGGGCAACCTGCTCAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC228955 representing NM_001146019
 Red=Cloning site Green=Tags(s)

MTSAAPAKKPYRKAPPEHRELRLLEIPGSRLEQEEPLTDAERMKLLQEENEELRRRLASATRRTEALERE
 EIQDCLLELELQGSREELDKFKDKFRRLQNSYASQRTNQLEDKLHTLIKKAEMDRKTLDWEIVELTNK
 LLDKNTINKLEELNERYRLDCNLAVQLKCNKSHFRNHKFADLPCELQDMVRKHLHSGQEAAASPGPAPS
 LAPGAVVPTSVIARVLEKPELLLLNSAQSGSAGRPLAEDVFVHVDMSEGVPGDPASPPAPGSPTQPNGE
 CHSLGTARGSPPEELPLPAFEKLNPYPTSPPHPLYPGRRVIEFSEDKVRIPRNSPLPNCTYATRQAI
 SLVEEGSERARSPVPSTPASAQASPHHQSPAPLTLAPASSASSEEDLLVSWQRAFVDRTPPPAAVAQ
 RTAFGRDALPELQRHFAHSPADRDEVVQAPSARPEESELLLPTEPDSGFPEEEELNLPISPEEERQSL
 PINRGTEEGPGTSHTEGRAWPLPSSSRPQRSKRMGVHHLHRKDSLTAQAEQGNLLN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001146019

ORF Size: 1641 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_001146019.2](#)

RefSeq ORF: 1644 bp

Locus ID: 93643

UniProt ID: [Q5JTD0](#)

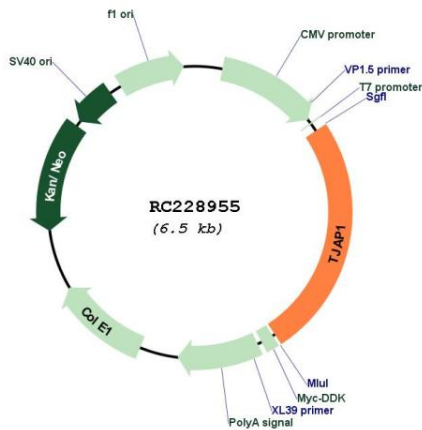
Cytogenetics: 6p21.1

Protein Pathways: Tight junction

MW: 60.5 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 RC228955