

## Product datasheet for **SC327594**

### TJAP1 (NM\_001146017) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TJAP1 (NM_001146017) Human Untagged Clone
Tag:	Tag Free
Symbol:	TJAP1
Synonyms:	PILT; TJP4
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001146017, the custom clone sequence may differ by one or more nucleotides

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ATGACTAGTGCCGCCCTGCTAAGAAACCTACCGTAAGGCACCACCAGAGCATCGGGAG
CTGCGTTTGAAATTCCTGGATCCCGGCTTGAGCAGGAGGAACCCCTGACTGATGCAGAA
AGGATGAAGCTCTTACAGGAGGAGAATGAAGAGCTTCGCCGGCGCCTGGCCTCCGCCACC
AGACGCACTGAGGCCCTGGAACGTGAGCTGGAATTTGGCAGGACTGCCTGGAGCTGGAG
CTGGGCCAGAGCCGCGAGGAGCTGGACAAATTTAAGGATAAGTTCCGCAGGCTGCAGAAC
AGCTACACGGCTTCCCAGCGGACCAACCAGGAGTTGGAGGACAAGCTGCACACACTGGCC
TCTCTTAGCCACAGCTGGATTTTGAATCAAGAAGGCTGAGATGGATAGGAAGACGCTG
GACTGGGAGATTGTGGAGCTGACCAACAAGCTGCTGGATGCCAAGAACCACATCAACAAG
CTGGAAGAGCTCAATGAGCGGTACCGGCTGGACTGCAACCTGGTGTACAGCTCCTCAAG
TGCAACAAGTCCCCTCCGAAACCACAAGTTTGGCGATCTGCCCTGTGAGCTACAGGAC
ATGTTTCGGAAACATTTGCACAGTGGTCAAGAGGCCGCCAGCCAGGTCTGCTCCCAGC
CTAGCCCCAGGGCTGTGGTGCCTACCTCAGTCATTGCCCGAGTGTAGAGAAGCCGGAG
TCTCTACTGCTCAATTCAGCCCAGTCAGGCAGCGCCGGGCGCCCTTGGCTGAGGATGTC
TTTGTGCATGTGGACATGAGTGAGGGTGTCCCAGGTGATCCAGCCAGTCCCCCGGCCCT
GGCAGCCCCACCCACAACCCAATGGGGAGTGCCACTCTCTGGTACTGCCAGGGGCTCC
CCGGAGGAAGAGCTGCCCTGCCAGCCTTTGAGAAGCTGAACCCCTACCCAACCCCGTCT
CCACCACCCACTGTATCCTGGCCGAGGGTAATAGAGTTCTCTGAGGATAAGGTTTCGG
ATCCCCCGCAACAGCCCCCTGCCAACTGCACTTACGCTACCCGCCAGGCCATTTCCCTG
AGCCTGGTAGAGGAGGGGAGTGAGCGGGCCCGCCAGCCAGTCCAGCAGCACCCTGCC
TCAGCCCAGGCCCTACCCACCACCAGCCAGCCAGCACCCTAACACTCAGTGCCCCA
GCTAGCTCTGCCAGCTCTGAAGAGGACCTGCTGGTCAGCTGGCAGCGGGCATTGTGGAC
CGTACTCCACCACCTGCTGCTGTGGCCAGCGCACAGCCTTTGGACGCGATGCCCTCCCT
GAGCTGCAGCGCCATTTGCCCATAGCCCGCTGACAGAGATGAGGTGGTCCAGGCACCT
TCTGCCGACCCGAAGAGAGTGAGCTTTTGTACCCACAGAACCTGACTCTGGCTTTCC
AGGGAGGAAGAAGAGCTGAACCTGCCTATCAGTCTGAGGAAGAGCGCCAGGCCTGCTG
CCCATTAACAGGGGCACAGAGGAGGGGCCAGGCACTTCCCACACCAGGGCAGGGCTGG
CCTCCACAGCTCCAGTCGCCCCAGCGCAGCCCAAGAGGATGGGGTTTACCACCTG
CACCGCAAGGACAGCCTGACCCAGGCCAGGAGCAGGGCAACCTGCTCAAC

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**Restriction Sites:** Please inquire

**ACCN:** NM\_001146017

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_001146017.1](#), [NP\\_001139489.1](#)

**RefSeq Size:** 2726 bp

**RefSeq ORF:** 1674 bp

**Locus ID:** 93643

**UniProt ID:** [Q5JTD0](#)

**Cytogenetics:** 6p21.1

**Protein Pathways:** Tight junction

**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]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 8-15 all encode the same isoform (a).