

## Product datasheet for **SC327590**

### **TJAP1 (NM\_001146019) Human Untagged Clone**

#### **Product data:**

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | TJAP1 (NM_001146019) 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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|                             |   |
|-----------------------------|---|
| <b>Fully Sequenced ORF:</b> | >NCBI ORF sequence for NM_001146019, the custom clone sequence may differ by one or more nucleotides<br>ATGACTAGTGCCGCCCTGCTAAGAAACCCTACCGTAAGGCACCACCAGAGCATCGGGAG<br>CTGCGTTTGAAATTCCTGGATCCCGGCTTGAGCAGGAGGAACCCTGACTGATGCAGAA<br>AGGATGAAGCTCTACAGGAGGAGAATGAAGAGCTTCGCCGGCGCCTGGCCTCCGCCACC<br>AGAGCCTGAGGCCCTGGAACGTGAGCTGGAATTTGGCAGGACTGCCTGGAGCTGGAG<br>CTGGGCCAGAGCCGCGAGGAGCTGGACAAATTTAAGGATAAGTTCCGCAGGCTGCAGAAC<br>AGCTACACGGCTTCCCAGCGGACCAACCAGGAGTTGGAGGACAAGCTGCACACACTGATC<br>AAGAAGGCTGAGATGGATAGGAAGACGCTGGACTGGGAGATTGTGGAGCTGACCAACAAG<br>CTGCTGGATGCCAAGAACACCATCAACAAGCTGGAAGAGCTCAATGAGCGGTACCGGCTG<br>GACTGCAACCTGGCTGTACAGCTCCTCAAGTGAACAAGTCCCACTTCGAAAACCACAAG<br>TTTGCCGATCTGCCCTGTGAGCTACAGGACATGGTTTCGAAAACATTTGCACAGTGGTCAA<br>GAGGCCGCCAGCCAGGTCTGCTCCAGCCTAGCCCCAGGGGCTGTGGTGCCTACCTCA<br>GTCATTGCCCGAGTGTTAGAGAAGCCGGAGTCTCTACTGCTCAATTCAGCCCAGTCAGGC<br>AGCGCCGGCGCCCTTGGCTGAGGATGTCTTTGTGCATGTGGACATGAGTGAGGGTGTC<br>CCAGGTGATCCAGCCAGTCCCCCGGCCCTGGCAGCCCCACCCACAACCCAATGGGGAG<br>TGCCACTCTCTGGTACTGCCAGGGCTCCCCGGAGGAAGAGCTGCCCTGCCAGCCTTT<br>GAGAAGCTGAACCCTACCCAACCCGCTCCACCACACCCTGTATCCTGGCCGAGG<br>GTAATAGAGTTCTCTGAGGATAAGGTTCCGATCCCCCGCAACAGCCCCCTGCCAACTGC<br>ACTTACGTACCCGCCAGGCCATTTCCCTGAGCCTGGTAGAGGAGGGGAGTGAGCGGGCC<br>CGCCCCAGCCAGTGCCAGCACCCCTGCCTCAGCCCAGGCCTCACCCACCACCAGCCC<br>AGCCCAGCACCCCTAACACTCAGTGCCCCAGCTAGCTCTGCCAGCTCTGAAGAGGACCTG<br>CTGGTCAGCTGGCAGCGGCATTTGTGGACCGTACTCCACCACCTGCTGCTGTGGCCCA<br>CGCACAGCCTTTGGACGCGATGCCCTCCCTGAGCTGCAGCGCCATTTTGCCCATAGCCCC<br>GCTGACAGAGATGAGGTGGTCCAGGCACCTTCTGCCCGACCCGAAGAGAGTGAGTTTTG<br>CTACCCACAGAACCTGACTCTGGCTTTCCAGGGAGGAAGAAGAGCTGAACCTGCCTATC<br>AGTCTGAGGAAGAGCGCCAGAGCTGCTGCCATTAACAGGGGCACAGAGGAGGGGCCA<br>GGCACTTCCACACCGAGGGCAGGGCCTGGCCACTCCCCAGCTCCAGTCGCCCCAGCGC<br>AGCCCCAAGAGGATGGGGTTCCACCACCTGCACCGCAAGGACAGCCTGACCCAGGCCAG<br>GAGCAGGGCAACCTGCTCAAC |
| <b>Restriction Sites:</b>   | Please inquire  |
| <b>ACCN:</b>                | NM_001146019  |
| <b>OTI Disclaimer:</b>      | 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).  |
| <b>OTI Annotation:</b>      | 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.  |
| <b>Components:</b>          | 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\\_001146019.1](#), [NP\\_001139491.1](#)

**RefSeq Size:** 2731 bp

**RefSeq ORF:** 1644 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 (5) lacks an in-frame exon in the 5' coding region compared to variant 1. The resulting isoform (b) is shorter than isoform a. Variants 3-6, 16 and 17 all encode the same isoform (b).