

## Product datasheet for **MC206286**

### Tjp2 (BC039924) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tjp2 (BC039924) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tjp2  
**Synonyms:** ZO-2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC039924  
 CCACGCGTCCGGCGGCGAGGAGGACGTGCGGGAAGCGCGCGAGATGCCGGTGCGGGGAGACCGGGGT  
 TCCCACCGCGGGGAGCTGTGCGGCTGGCAGCGCGGTCCAGGCATGGAGGAGGTGATATGGGAGCAGTA  
 CACCGTGACCCTGCAGAAGGATTCCAAAAGAGGATTTGGAATTGCCGTGTCGGGAGGCAGAGACAACCCC  
 CACTTTGAAAATGGGAGACGTCAATCGTCATCTCAGACGTGCTCCCAGGTGGACCCGCTGATGGCTTGC  
 TTCAAGAAAATGACAGAGTGGTCATGGTCAATGGCACCCCATGGAAAGATGTGCTCCATTGCTTTGCCGT  
 TCAGCAGCTTAGGAAAAGTGGGAAGATAGCAGCCATCGTGGTCAAGAGACCCCGAAGGTTCAAGTGGCC  
 CCACTGCAAGGCAGCCCCCTCTCAGTCATGACGACCGAGGTTTTGAAGTATTGAAGAATTTGATGGCA  
 GAAGTTTTCCGACGCGCTACAGTGAGAGGAGTCCGCACAGCAGCCACGACATGCTCAGCCACAGCTGGGA  
 GGGCAATAGGGAGAGGGGCGACCCCATCAGCGCACACAGAGCCGGGAGCGGGAGCGCAGCCGTGGCAGG  
 AGCCTGGAACGGGCGCTGGACCAGGAAGACTATGGGCGCAGCCGTGAGCGCAGCCGTGGCCGGAGCCTGG  
 AGCGCGGCTGGACCGGACTTTGTGTCCAGGGACCACAGCCGTGGCCGTAGCATCGACAGGGACTACGA  
 CCGAGACTATGAGCGCTCTATCACGAAGCTTATGAACCCGACTACGGAGGCGGTACAGCCCATCATAT  
 GACCGTAGAGCCCATCCAGAGACCCGCTATGAACGGAGCCGACGCGGAGAACACCTACGTTCCCAGAGCC  
 CCAGCCCCGAGTCTAGGTACGGCATGAACACAAGGGCCAACATGATCCCAGACAGGCCATCGGGGTCTCT  
 TCTAACAAAAGCAAAGCAAATGAAGAGTATGGGCTCCGGCTGGGGAGTCAAGTCTTCAAGAAAGTGA  
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 GAGGATATCTCGAAAATAGAGTCCAACCGTCTTTCTCTCCAGAGGAGAGACGCCAGCAGTATTCTGATC  
 AGGATTACCATTCTCCACTGAGAAGCTGAAGGAGAGGCCGAGCTCAAGAGAGGAGACCTCAGGCAGACT  
 ATCCAGGATGGGTGCCACTCCCACGCCGTTCAAGTCCACGGGGGACATCAGAGTGCGGGGTCCACAGAG  
 GCCAGCAGGGAGCCAGGTACCAGGAAGAAGGCCAGTTCCTCAACCCAGAACAGCTCCAAGAGTTTTTC  
 TTCGCTAGTCCCAGAGATGAAGCAATATATGGCCCTAACACAAAATGGTGAAGTTCAAGAAGGGAGA  
 CAGCGTGGGCTCCGGTTGGCTGGTGGAAACGACGTTGGGATATTTGGCTGGCATTCAAGAGGGCACC  
 TCCGACAGCAGGAGGGCTGCAAGAAGGAGACCAGATTCTGAAGGTGAACACACAGGATTTCAAGAGGC  
 TAGTCCGGGAAGATGCGGTCCTCTACCTGCTAGAAATCCCAAAGGTGAAACTGTGACTATTTGGCTCA



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GAGCCGAGCAGACGTGTACAGAGATATCCTGGCTTGTGGCAGGGGAGATTCTGTTTTTCATAAGAAGCCAC  
 TTTGAATGTGAGAAGGAACTCCCCAGAGCCTGGCCTTACCAGGGGAGAGGTCTCCGAGTGGTAGACA  
 CGCTGTACGATGGCAAGCTGGGCCACTGGCTGGCCGTGAGGATCGGGAATGAGCTGGAGAAGGGCTTGT  
 CCCTAACAAAAGCAGAGCCGAGCAAATGGCCAGTGTCCAGAATGCCAGCGAGAGAACGCCGGGGACAGA  
 GCAGACTTCTGGCGGATGCGTGGCCAGAGATCCAGCGCGGCGTCAAGAAGAACCTCCGCAAGAGCCGGG  
 AAGACCTGGCGGCTGTGTATCGGTTAGCACCAAGTCCCTGCCTACGAGAAGGTTCTGCTTCGGGAAGC  
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 TTACCAGACCTGTTTTAAACTGCAAAAACAGAACCCTAAAGATGCCGGATCTGAGAAATCCAGTGGAGTGG  
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 GAAGGGATGGATGATGCTGAAGACCGCATGCTCTACTTAACCGCCATGGGCGCGGACTATCTGAGTT  
 GTGACAGCCGTCTCATCAGTGACTTTGAAGACACCGACGCGGAGGGAGGCCTACACTGACAATGAGCT  
 AGAGGAGCCGGCGGAGGAGCCGCTGGTGTCTTCCATCACCCGCTCCTCGGAGCCGGTGCAGCACGAGGAG  
 AACATAAGGAAATCCAGCCCAGAGCCACGAGCTCAGATGAGGAGGGCTGCTAGCAGAGACCAACTTAGGG  
 ATGCTAGCCCGCCCCAGCCTTCAAGCCAGAGCCGCCAAGGCAAGAAGCCAGAACAGAGAAGACTCCTT  
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 CCTCCCCCTATTGACGCGAAGCCTGCCTTTGGGCGGCCATCCTGAAGCCTTCCACTCCAGTCCCTATGC  
 CTGAGAGCGAGGAGGTTGGAGAGAGCACCGAGGAGCAGGAAGTCTCCAGATCAGTCTGGGCAGAGT  
 GAAAATATTCGAGAAGATGGACCACAAGGCAAAATTACAGAGGATGCAGGAGCTCCAGGAGGCCAGAAT  
 GCGAGGATCGAAATAGCTCAGAAGCACCTGACATCTATGCGGTTCCAATCAAGGCCCCCAAGCCAGATG  
 CCGGCCTCCCCCGCACATGAGTTCTAGACCCCCAGAGCCAGAAAGCTCCTTCCAGACTTACCAGGA  
 CACCAGAGGAAGCTACGGCAGTGACCCGAGGAGGAGTACCGCCAGCAGTTGGCAGCACACTCGAAG  
 CGTGGTTACTACAGCCAGCCCTCCCGGTACCGAGACACGGAGTTATAGAGCTTGTATGCGTGGACTCCTG  
 CGAGGCCACCTGGAGATCTTCTCCAGTAAAACGCACTGCAGAGATACAGTGGGGACCCAGGCAACAGAT  
 GGCATGAGTTATCAACTGAAGGCTCTGTTTGTGGGACTGGAGTGAAGTTGATTCTGACTTCTTGAATGA  
 AGAGAAACAGTCTGATAACTGTTACTTGTCTTGGTGTGGACCAAGATCTGTATTAACCTCTGTATTTT  
 TTAATATGTATATCGAGCAATAACTATCTTCTCACTCGTGGCTGCCTCCTGCACAGCTTCAGTGTGA  
 AGCAGATGTGAAGAGGGAGTAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** BC039924
- Insert Size:** 3504 bp
- 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).
- 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:** [BC039924](#), [AAH39924](#)

**RefSeq Size:** 3958 bp

**RefSeq ORF:** 3504 bp

**Locus ID:** 21873

**Cytogenetics:** 19 B

**Gene Summary:** Plays a role in tight junctions and adherens junctions.[UniProtKB/Swiss-Prot Function]