

## Product datasheet for RN206456

### Tjp1 (NM\_001106266) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tjp1 (NM\_001106266) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tjp1  
**Synonyms:** ZO-1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN206456 representing NM\_001106266  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGAAACAGCTATATGGGAACAGCACACAGTGACGCTTACAGGGCTCCTGGGTTGGATTGGAA  
 TTGCAATATCTGGTGAAGAGATAATCCTCATTTTCAGAGTGGGAAACCTCCATAGTGATTCTGATGT  
 GCTAAAAGGAGGGCCAGCTGAAGGACAGCTACAGGAAAATGACCGAGTCGCAATGGTTAACGGAGTTTCA  
 ATGGATAATGTTGAACATGCTTTTGTCTGTTTCAGCAGCTAAGGAAAAGTGGGAAAAACGCAAAAATTACCA  
 TCCGAAGAAAGAAGAAAGTTTCAGATTCTGTAAGTCACCCAGACCCTGACCCAGTGTCTGATAATGAAGA  
 TGATAGCTATGACGAGGATGTGCACGATCCAAGAAGTGGCCGAGGTGCCCTAGCTAACAGAAGGGGTGAG  
 AAGAGCTGGGCAAGGGATAGAAGCGCAAGCAGGGACCGGAGCCTGTCCCTCGCTCAGACAGGCGATCAG  
 TGGCCTCCAGTCAGCCCACCAACCCACCAAGGTCACATTGGTGAAGTCTCGGAAAAATGAAGAATATGG  
 TCTTCGATTGGCCAGCCATATATTTGTAAGGAAATTTACAAGATAGTTTGGCAGCAAGAGATGGTAAC  
 ATCAAGAAGGGGATGTTGTCTGAAGATAAATGGTACTGTGACAGAAAATATGCTACTGACAGATGCAA  
 AAACATTGATAGAAAGGCTAAAGGCAAGTTAAAAATGGTAGTCAAAGAGATGAGCGGGCTACCTTATT  
 GAATGTCCTGATCTTTCAGATAGTATCCATTCTGCTAATGCCTCTGAAAGAGATGACATTTTCAGAAAT  
 CAGTCACTAGCATCAGACCATTAGTTCGCTCCCATGACAGGCCTCCCGCCGAAGCCAGTCACGATCTC  
 CCGACCAACGTTTCAGAGCCCTCTGATCATTCCACACAGTCTCCACAGCAGCCAGCAATGGCAGTCTCCG  
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 ACACCCAAAGCAGTGAAGAAGTTACAGTTGAAAAACATGAGAAGCAGACACCCACTCTTCCAGAACCAA  
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 AAATTCACACATGAAGATGGGATCTTAGGCCAGCATGAACTGGTAAAATTCAGAAAAGGAGATAGT  
 GTGGGTTTGCAGTACTGGTGGAAATGATGTCGGAATATTTGTAGCTGGCCTTCTAGAAGATAGCCCTG  
 CAGCCAAAGAAGGCTTAGAGGAAGGTGATCAAATTTCTCAGGGTGAACAATGTAGATTTTCACAAATATCAT  
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 AAAAAGGACGTTTATCGCCGATTGTAGAGTCAGATGTAGGAGACTCGTTCTATATTAGAACACATTTTG



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AATATGAGAAAGAATCTCCTTATGGACTCAGTTTTAACAAAGGAGAGGTGTTCCGGGTCGTGGACACCT  
 GTACAACGGGAAGCTGGGCTCCTGGCTGGCCATTGCAATTGGCAAAATCACAAGGAGGTAGAGCGAGGC  
 ATCGTTCTAATAAGAACAGAGCCGAGCAGTTAGCCAGTGTACAGTACACACTTCCAAGACAGCAGGTG  
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 TCGCCTTCATACAATAAAGCAAATCATAGATCAAGATAAACATGCTTTATTAGATGTCACACCAAATGCA  
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 TGATCCCCAACTTCCATATGTAGAAAAACAAGCCAGCAGAGACCTTGAGCAGCCACCATACAGGTATGAG  
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 CCTATGAAGACCAGTGGTCATATTATGATGACAACAGCCCTACCCAACCTCGGCCCTTGTACTCAGCA  
 TCCTCGAGACTTGGACTCCAGACAGCATCCTGAAGAGGCTTCAAGACGAGGCTATTTCCAGCGTTTTGAA  
 GAGCCCGCCCTCTGCCATATGACAGTAGACCAGCTACGAGCAGCTGCCTCGAACCTCTACTCTCCGAC  
 ATGAAGAACAGCCAACAGTGGATATGAGGTGCACAACAGGTACAGGCCAGAAGCACAGCCCTATGCTCC  
 AGCAGGTCTAAGTCATCTGAGCCGAAGCAGTACTTTGACCAGTACCCACGAAGTTATGAGCAAGTACCA  
 CCACCAGGATTTACCTCCAAAACAGGCCATTACGAGCCTCTCCATGGTGTGCAGTTGTTCTCCTCTGA  
 TACCTTCTCTCAACATAAGCCAGAAGTCTGCCCTCAGCTACCAAGCCACAGCCTCCGCCCCAGCCCT  
 AACTGAGGAAGAGGAGGATCCAGCAATGAAACACAGTCTGTGCTCACCGGGTCAAATGTTTGAAAAC  
 AAAAGATCTGCGTCTCTGGAGAACAAGAAGGATGTGAATGACACTGCCAGCTTAAAGCCTCCAGAAGTAG  
 CATCTAAACCTCCAAGTGCTTCTCTTGTGGCCCTAAACCTGTTTCTCAGACTCAGTTTGTGAGCATGA  
 CAAAACACTCTACAGGCTCCCAGAGCCTCAGAAACCTCAAGCGAAGCCACCTGAAGATATTGTTTCGATCA  
 AATCATTACGATCCTGAAGAGGATGAAGAGTATTACCGGAAACAGCTCTCTTACTTTGACCGGAGAAGTT  
 TCGAGAGCAAGCCTCTGCACATATTCTGTGGCCATCACTCAGAGCCTGCCAAGCCAGTCCATTCTCA  
 GAGTCAGCCGAATTTCTCTAGTTATTCTCAAAGGGGAAACCCGAAACTGATGCTATGGATAGATCATT  
 AGTGAGAAAAGTTATGATCCAACCCAGGCCATGCCTCCTCCTCCTCCGTTGCCCTCACAGTACAGCCAGC  
 CAGTTCCGCTCTGTCCAACCTTCTCTCCACATACATTCCAAGGCCGCCAGAGTGAAGGCAATTCGCT  
 ATCGTTGGATTTTCAAGACTCATATATATCCAACCCAGACCCACCCCATCTCAGAGCAAACAGCAACT  
 TTTAGACCACCAACCCGGGAGGACCCTCCTCAGACCTTCTATCCCAGAAAAGTTTCCCAGACAAAGCTT  
 CAGTTAATGGAGCTGAGCAGACTCAGAAAACCATCACTCCAGCATACAACCGATTACACCAAAGCCGTA  
 CACGAGCTCTGCCCGCCATTTGAACGCAAGTTTGAAAGTCCAAAGTTCAACCATAATCTTCTGCCAAGT  
 GAAACTGTACATAAACCTGAATTGTCTTCAAACCTCCCCCTTCTCCAAAACCTCATGAAGGCTCATA  
 GTTCCACACAGCCGCTGAGTTTGACAGTGGAGTCGAGACTTCTCTGTTACACAGATAAGCCTAATA  
 TCAAATAAATAATATCAGCACCATGCCTAAAGCTGTTCTGTGAGTCTTCCAGCTGTGGAAGAAGATGAA  
 GATGAGGATGGTCATACTGTAGTGGCTACAGCCCGCGGCAATTTTAAACAGCAATGGCGGTGTGTTGAGTT  
 CCATAGAAAAGTGGTGTAGTATAATTATCCACAAAGGAGCCATTCTGAAGGAATTGAGCAAGAAATCTA  
 TTTCAAAGTCTGCAGAGACAATAGCATCCTCCACCTTATAGATAAAGAGAAAAGGTGAAACTCTGCTGAGC  
 CCCCTAGTGTGTCGGGCCCATGGCCTCAAGTTCCTGAAGCCTGTGGAGCTACGCTTGCCACACTGTG  
 ACCCTAAAACCTGGCAAAAACAAGTGTCTTCTGGAGATCCGAATTACCTGTTGGAGCCAACTGTGTTTC

TGTCCTGATTGACCACTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001106266
<b>Insert Size:</b>	5202 bp
<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>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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001106266.1, NP_001099736.1</u>
<b>RefSeq Size:</b>	6614 bp
<b>RefSeq ORF:</b>	5202 bp
<b>Locus ID:</b>	292994
<b>Cytogenetics:</b>	1q22