

## Product datasheet for RN211318

### Tjp2 (NM\_053773) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tjp2 (NM_053773) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tjp2
Synonyms:	ZO-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN211318 representing NM_053773 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGAGGTGATATGGGAACAGTACACTGTGACCCTGCAGAAGGATCCAAAAGAGGATTTGGAATCG  
CAGTGTCCAGGAGCAGAGACAACCCCACTTTGAAAATGGGGAGACGTCAATCGTCATTTTCAGATGTACT  
CCCAGGTGGACCCGCTGATGGCTTGCTTCAAGAAAATGACAGGGTGGTCATGGTCAATGGCACCCCATG  
GAGGATGTGCTCCATTCTTTGCCGTTCCAGCAGCTTAGGAAAAGTGGGAAGATCGCAGCCATTGTGGTCA  
AGAGGCCCTCGGAAGGTTCCAGGTGGCCCCGCTGCAGGGCAGCCCCCTCTCAGTCATGATGACCGAGGTTT  
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CACGATATGCTCAGCCACAGCTGGGAGGACAGCAGGGAGAGGGGGCGTCCCCATCAGCGCCACAGAGCC  
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ACCCAGAACAGCATCAAGAGTCTTCTCTGTCCTAGTCCCGAAGATGAAGCAATATATGGCCCTAACCC



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AAAATGGTGAAGTTC AAGAAGGGAGACAGCGTGGGCTCCGGTTGGCTGGTGGAAATGATGTTGGCATAT
TTGTGGCTGGCATT CAGGAGGGCACCTCTGCAGAGCAGGAGGGCCTACAAGAAGGGGACCAGATTCTGAA
GGTGAACACACAAGAT TTTAGAGGGCTGGTCCGGGAAGATGCCGTCTCTACCTGTTAGAAATCCCTAAA
GGTGAACCGTGACCA TTTTGGCTCAGAGCCGAGCAGACGTGTATAGAGACATCCTGGCCTGTGGCAGGG
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CCCAGCGAGAGAATGCT GGGGACAGAGCAGACTTCTGGCGGATGCGTGGCCAGAGATCCGGGGTCAAGAA
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GGGTGCGGACTATCTG AGTTGTGACAGCCGTCTCATCAGTGACTTT GAAGATACGGACGGCAGGGAGGC
GCCTACACTGACAATGAG CTGGATGAGCCAGCTGAGGAGCCGCTGGTGTCTT CCAACACCCGCTCCTCAG
AGCCGGTGCAGCATGAG GAGAGCATAAGGAAGCCAGCCAGAGCCACGCGCT CAGATGAGGAGGGCAGC
TAGCAGAGACCAGCTT AGGGATGGTAGCCGCCCCAGCATTCAAGCC AGAGCCGCCCAAGGTGAGAAAC
CAAAACAGAGAGGACTC TTTCAACTACTCCAAGTCAAACCTCTCTGCC ATGGCTGGCAGTGAATCCCGG
GGGGATCCACAAAGGGT GCCTCCCCCTATTGCGGTGAAAACCTGCCTT TGGGCGATCCATCCTGAAGCC
TTCTACTCCAGTCCCC ATGCCTGAGAGTGAGGAGTTGGGGAGAGCACCG AGGAGCAGGAAGAGGCTCCC
AAATCAGTCTGGGCAGAG TGAATACTTCGAGAAGATGGACCACAAGGCGAAAT TACAGAGGATGCAGG
AGCTCCAAGAAGCACAGA ATGCGAGGATTGAAATAGCTCAGAAGCATCCT GACATCTATGCGGTTCCAAT
CAAAGCCCCAAGCCAGAT GCTGGCCTGCCCCAGCACATGAGACCC CAGAGCCACAGAAAGCTCCTTCT
AGGCTTTACCAGGACACC AGGGAAGCTACGGCAGTGATCCCGAGGAAGAGGAGGAGT ACCGCCAACAGT
TGGCAGCACACTCGAAG CGTGGTTACTACAGCCAGCCCTCCCGGTACCGAGACACCGAATTATAG

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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_053773
- Insert Size:** 3495 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:** [NM\\_053773.1](#), [NP\\_446225.1](#)

**RefSeq Size:** 4707 bp

**RefSeq ORF:** 3495 bp

**Locus ID:** 115769

**Cytogenetics:** 1q51

**Gene Summary:** a tight junction protein that may be involved in carotid neointimal formation [RGD, Feb 2006]