

## Product datasheet for **RR201772**

### **Tjap1 (NM\_001108203) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tjap1 (NM_001108203) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tjap1
Synonyms:	Tjp4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR201772 representing NM\_001108203  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCAGTGCTGCCCTGCTAAGAAACCTTACCGGAAGGCACCTCCCGAGCATCGAGAGCTGCGCCTGG  
 AAACCCCTGTGTCCCGCTTGTAGCAACAGGAGCCCTTGACGGATGCAGAGAGGATGCAACTTTTGCAGCA  
 GGAGAATGAAGAACTTCGCAGACGCTGGCCTCAGCCACCAGACGCACTGAGGCCTTGGAGCGGAACTG  
 GAAATCGGGCAAGACTGCCTGGAAGTGGAGTTAGGACAGAGCCGGGAAGAGCTGGACAAGTTCAAGGACA  
 AATTCCGAGGCTGCAGAACAGCTACACAGCATCCAGCGGACCAACCAGGAGCTCGAGGACAAGCTGCA  
 CGCACTGATCAAGAAGGCTGAGATGGACAGAAAGACGCTGGACTGGGAGATTGTGGAGCTGACCAACAAG  
 CTGCTGGACGCCAGAACACCATCAACAAGCTGGAGAACTCAATGAGCGGTACCGGTTGGATTGCAACC  
 TGGCTGTGCAGCTTCTCAAGTCAATAAGTCCCCTCCGGAACCACAAGTTTGTGATCTACCTGTGA  
 GCTACAGGACATGGTTTCGAAACATCTGCGCAGTGGTCAGGAGGTTGCCAGTCCCAGCCGACGCCCTTCT  
 TCAGCCTGGCCAGGAGCTGTGGTGCCTACCTCAGTATTGCCCGGTTGGAGAAACCCGAGTCCC  
 TTCTGCTCAATTCAGACCAGTCGGGCAAGTGTGGGCGCCCTTGGCTGAGGATGTATTCTGTCATGTGGA  
 CATGAGCGGGGTGACCCAGCCAGCCCCCTGCCCGGGCAGTCCCTCTCCAACTCAATGGGGAGTGC  
 TGCTCTGTGAGTATTGCAGGGGACTCCCCAGAGGAGGAGCTGCCCTTGCAGCCTTTGACAAGTTGAGTC  
 CCTACCTACCCATCCCAACACCCATTGTACCCTGGTAGGAAGGTGATAGAGTTCTCTGAGGACAA  
 GATCCGAATCCCTCGAACAGCCCCCTCCCAACTGTACCTATGCCACCCGGCAGGCCATCTCCTGAGC  
 CTGGTGGAGGACGGCGGTGAGCGGGCGCACTGCAGCCCGGTGCCTAGCAGTCTGCCTCAGCCGAGGGT  
 CACCCTATCACCAGCCTAGTCCAGCTCGCTCAGCACCGAGTCCCCAGCCAGCTCAGCCAGCTGAGGA  
 GGACCTGCTGGCAGCTGGCAGCGTGCATTTGTGGACCGCACCCGCTCCTGCGGCTGTGGTCCAGCGC  
 ACAGCCTTTGGACGAGATGCGCTGCCTGAACTACAGCTGCACTTCCCCCGGGCCACTCTACAGCCCCAC  
 TACCTTCCCACGCCATGAGCGTGGGCTTGTGCTGCCTCAGAACCTGACTCTGCCTTCTCGAGAAGA  
 GGAAGAGGAAATGCTGAACCTGCCTGTCAGCCCTGAGGAAGAGCGCCAGAGCCTGCTGCCTGATAAAGAG  
 GACTGAGGGAGGACCTAGCCCTTCCACGTTGATGGCAGGGCCTGGCCTCTCTCCAGTCCAGCCGCC  
 CCCAGCGCAGCCCAAGAGAATGGGAGTACACCACCTGCACCGCAAGGACAGCCTAACGCAAGCCAGGA  
 GCAGGGCACCTGCTCAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR201772 representing NM\_001108203  
 Red=Cloning site Green=Tags(s)

MTSAAPAKKPYRKAPPEHRELRLLETPVSRLEQQEPLTDAERMQLLQENEELRRRLASATRRTEALEREL  
 EIGQDCLELELQGSREELDKFKDKFRRLQNSYASQRTNQELEDKHLALIKKAEMDRKTLDWEIVELTNK  
 LLDARNTINKLEELNERYRLDCNLAVQLLKC�KSHFRNHKFADLPCELQDMVRKHLRSGQEVASPSRSPS  
 SSLAPGAVVPTSVIARVLEKPESELLNSDQSGSAGRPLAEDVVFVHVDMSGGDPASPPAGSPSPQLNGEC  
 CSVSIAGDSPEEELPLPAFDKLSFYPTSPPHPLYPGRKVIIEFSEDKIRIPRNSPLPNCTYATRQATISLS  
 LVEDGGERAHCSVPVSSPASAGGSPYHQSPARSAPSAPASSASSEEDLLASWQRAFVDRTPPPAVVQR  
 TAFGRDALPELQLHFPPGHSTAPLPSRHERGLVLPSEPDSAFPREEEEMLNLPVSPEEERQSLLPDKE  
 DTGEGPSPSHVDGRAWPLSSSRPQRSPKRMGVHHLHRKDSLTAQAEQGTLLS

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

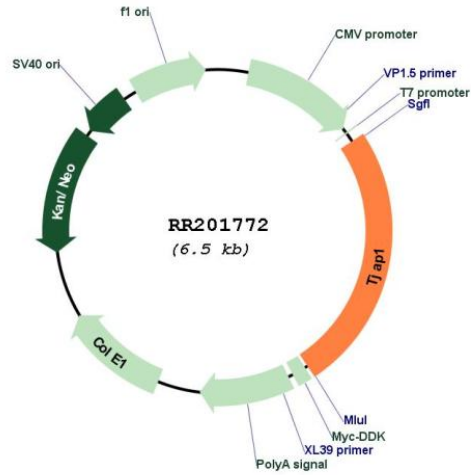
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



<b>ACCN:</b>	NM_001108203
<b>ORF Size:</b>	1629 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001108203.1</a> , <a href="#">NP_001101673.1</a>
<b>RefSeq Size:</b>	2867 bp
<b>RefSeq ORF:</b>	1632 bp
<b>Locus ID:</b>	316233
<b>Cytogenetics:</b>	9q12
<b>MW:</b>	60.1 kDa