

## Product datasheet for **RN213108**

### **Tfip11 (NM\_001008291) Rat Untagged Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | Tfip11 (NM_001008291) Rat Untagged Clone |
| Tag:                      | Tag Free                                 |
| Symbol:                   | Tfip11                                   |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**Fully Sequenced ORF:** >RN213108 representing NM\_001008291  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCTCTGTCCCCTTGTACCGGGATGGGAAGGCCACCTTGATGATGACGATGACGAGCGTGAGAACT  
 TTGAGATCACTGACTGGGATCTCCAGAATGAGTTCAACCCCAACCGGCAGCGTCATTGGCAGACCAAGA  
 GGAGGCCACTATGGAGTGTGGGCTGAGCGTGACTCAGACGAGGAGAGGCCAGCTTCGGAGGCAACGG  
 GCCCGAGACTATTCTGCACCCGCAACTTCATCAGTGCAGGGCTCAAGAAAGGGGCGCTGAGGAGGCTG  
 ACTCGGAGGACTCTGATGCCGAAGAGAAGCCTGTGAAACAGGAAGACTTTCCAAGGACTTAGGACCAAA  
 GAAGTTAAAAACGGGTGGCAATTTAAGCCAGCCAGAAAGGCTTTGCTGGAGGAACCAAGTCGTTTCATG  
 GACTTTGGCAGCTGGGAGAGACACAGAAAGGGATCGGGCAGAAGCTGCTGCAGAAGATGGGCTACGTCC  
 CTGGGCGGGGCTGGGAAGAACGCCAGGGTATCATCAACCCATTGAAGCCAAGCAGAGGAAAGGCAA  
 GGGAGCTGTGGGGCCTACGGCTCGGAGAGGACCCTCAGTCTCTGCAGGACTTCCCTGTGGCCGACTCC  
 GAAGAGGAGGCAGAAGAGGAGTTTCAGAAGGAGCTGAGCCAGTGGAGAAAAGACCCAGCGGGAGCAAGA  
 AGAAGCCAAAGTATTCTTACAAGACTGTGGAGGAGCTGAAAGCCAAAGGCAAGGTCAGCAAGAAGCTCAC  
 AGCACCTCAGAAGGAGCTCTCTCAGGTCAAGGTGATCGACATGACAGGCCGGGAGCAGAAGGTGACTAC  
 AGCTACAGCCAGATCAGCCACAAGCACAGTGTGCCCGATGAAGGGGTGCCGTTGCTCGCGCAGCTGCCTC  
 CCACAGCTGGCAAGGAAGCAAGGTGCCGGCTTCGCGCTGCCTGAGCTGGAGCATAACCTGCAGCTGCT  
 CATTGAGCGTACGGAGCAGGAGATCATCCAGAGCGACCGCAGCTGCAGTACGAGCGGGACATGGTGGTC  
 AGCCTGTCGCACGAGCTCGAGAAGACAGCCGAGGTGCTTGCTCACGAGGAGCGGGTCATCTCCAACCTCA  
 GCAAGGTGCTGGCCCTGGTGGAGGAATGTGACACCCGATGCAGCCCCATGGCGCTGACCCGCTCACGCT  
 GGATGAGTGTGCCCGCATCTTTGAGACTGACAGGACAAGTACTACGAGGAATACCGCTGGCGGACCGC  
 GCAGACCTCGCTGTGGCCATCGTCTACCCGCTTGTGAAGGACTACTTCAAGGATTGGCACCCCTTGAGG  
 ACAGCAACTACGGCACCCAGATCATCTCCAAGTGAAGAGCCTCCTGGAGAACGACCAGTTGCTGTCTCA  
 CAGCAGCCAGGACCTGTCTCAGATGCCTTCCACAGGCTCATGTGGGAGGTCTGGATGCCTTTTGTTCGG  
 AATGTTGTGCGCCAGTGGCAACCCAGGAAGTGTGAGCCCATGGTGGACTTCTGGACAGCTGGGCACACA  
 TCATCCCTGTGTGGATCCTGGACAATATCCTGGACCAGCTCATCTCCCTAAGCTGCAGAAGGAGGTGGA  
 CAACTGGAACCCCTGACAGACACCGTCCCGATCCACTCATGGATCCACCCGTGGCTGCCACTCATGCAG  
 GCCCGCTGGAGCCGCTCTACTCCCTGTCCGAGCAAGCTGTCTAGTGCAGTGCAGAAATGGCACCCCA  
 GCGATGCCTCAGCAAGCTCATCCTGCAGCCCTGGAAAGAGGTCCCTACCCCTGGGTCTGGGAGGCCTT  
 CATGCTCAGGAACATCGTGCCCAAGCTGGGCATGTGCCTGGGTGAGCTCGTCATCAACCCCAACAGCAG  
 CACATGGACGCCTTTTACTGGGTGATGGACTGGGAGGGCATGATCTCCGCTCCAGCTTGGTGGGATTGC  
 TGGAGAAGCACTTCTTCCCAAGTGGCTTCAGGTGCTGTGCTCCTGGCTCAGTAATAGCCCAATTACGA  
 GGAGATCACCAAGTGGTACCTGGGCTGGAAGTCCATGTTCTCAGACCAGGTGCTGGCACACCCCTTCTGC  
 AAGGACAAGTTCAACGAAGCGCTCGACATCATGAACAGGGCTGTGTCCTAATGTTGGTGCCTACATGC  
 AGCCAGGTGCGAGGGAGAACATTGCCTACCTCACCCACACGGAGCGCAGGAAGGACTTCCAGTACGAGGC  
 CATGCAGGAGCGCCGGGAGGCTGAGAACATGGCACAGAGGGCATTGGTGTGGCTGCCAGCTCTGTGCC  
 ATGAACTTAAGGACCTATTGAGACCAAGCGGAGGAGCACAACATCGTGTTCATGCCTGTCTATTGGCA  
 AGCGGCACGAGGCAAGCAGCTTACACCTTTGGCCGATTGTCTCTACATTGACCGGGGTGTGGTGT  
 TGTGCAGGGCGAGAAGACGTGGGTGCCACCTCCCTGCAGAGCCTCATCGACATGGCCAAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001008291  
**Insert Size:** 2514 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>                | <a href="#">NM_001008291.1</a> , <a href="#">NP_001008292.1</a>  |
| <b>RefSeq Size:</b>           | 3527 bp  |
| <b>RefSeq ORF:</b>            | 2514 bp  |
| <b>Locus ID:</b>              | 288718   |
| <b>UniProt ID:</b>            | <a href="#">Q5U2Y6</a>   |
| <b>Cytogenetics:</b>          | 12q16  |
| <b>Gene Summary:</b>          | Involved in pre-mRNA splicing, specifically in spliceosome disassembly during late-stage splicing events. Intron turnover seems to proceed through reactions in two lariat-intron associated complexes termed Intron Large (IL) and Intron Small (IS). In cooperation with DHX15 seems to mediate the transition of the U2, U5 and U6 snRNP-containing IL complex to the snRNP-free IS complex leading to efficient debranching and turnover of excised introns. May play a role in the differentiation of ameloblasts and odontoblasts or in the forming of the enamel extracellular matrix (By similarity).[UniProtKB/Swiss-Prot Function] |