

## Product datasheet for **RC200290**

### **TFIP11 (NM\_001008697) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TFIP11 (NM_001008697) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TFIP11
Synonyms:	bK445C9.6; NTR1; Spp382; STIP; STIP-1; TIP39
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC200290 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCATTGTCCCATTATACCGGATGGGAAGGCCGATTGATGATGATGATGACGAGCGGGAGA  
 TTGAGATCACTGACTGGGATCTCAGAATGAGTTCAACCCCAACCGACAGCGCCACTGGCAGACCAAGGA  
 AGAAGCCACCTACGGGGTGTGGGCAGAGCGAGACTCGGATGATGAGAGGCCAGCTTTGGAGGCAAACGG  
 GCCCGTGACTACTCTGCGCCAGTCAACTTCATCAGCGCAGGGCTCAAGAAAGGGGCGAGCGGAGGAGCAG  
 AGTTGGAAGATTCTGATGACGAAGAGAACTGTTAAGCAGGACGACTTTCCTAAGGATTTGGACCAAG  
 GAAGCTAAAAACGGGTGGCAATTTAAGCCAGCCAGAAAGGTTTTGCAGGAGGAACCAATCTTTCATG  
 GACTTCGCGAGCTGGGAAAGACACAAAAGGAATTGGACAGAAGCTTCTCAGAAGATGGGCTACGTCC  
 CTGGACGGGGCTCGGGAAGAATGCACAAGGTATCATTAAACCAATTGAAGCCAAGCAGAGAAAGGGAAA  
 AGGTGCTGTGGGGCTTATGGATCCGAGCGCACCACTCAGTCCATGCAAGACTTCCCTGTGGTTGACTCA  
 GAGGAAGAAGCTGAAGAGGATTTTCAGAAGGAGCTGAGCCAGTGGAGGAAAGACCCAAGTGAAGCAAGA  
 AGAAGCCCAAATACTCTTACAAGACCGTGAAGAGTTGAAGGCCAAGGGCAGGATTAGCAAGAAGCTCAC  
 TGCTCCCCAGAAGGAACCTTCTCAAGTCAAGGTATAGACATGACAGGCCGGGAGCAGAAGGTCTACTAC  
 AGCTACAGTCAGATCAGCCACAAGCACAACGTTCCCGATGATGGGCTGCCGCTACAGTCCCAACAGCTGC  
 CACAGTCTGGCAAAGAGGCCAAGGCCCCCGGCTTCGCGCTGCCGAGCTGGAGCACAACCTGCAGCTGCT  
 CATCGACTCACGGAGCAGGAGATCATCCAGAATGACCGGCAGCTACAGTATGAGCGGGACATGGTGGTC  
 AACCTCTCCACGAGCTGGAGAAGATGACCGAGGTCCTGGACCAGGAGGCGGGTATCTCGAACCTCA  
 GCAAGCTCTGGAGATGGTGGAGGAGTGGAGCGGGATGCAGCCGACTGCAGCAACCCCTCACCTC  
 GGACGAGTGTGCCCGCATCTTCGAAACCTGCAGGACAAGTACTATGAGGAGTACAGGATGTCCGACCGT  
 GTGGACCTTGCTGTGGCCATCGTCTATCCACTCATGAAGGAGTACTTCAAGGAGTGGGATCCCTCAAAG  
 ACTGCACTTATGGCACCAGATCATCTCTAAGTGGAAAAGCCTCCTAGAGAATGACCAGCTCTTGCCCA  
 TGGCGGACAGGACCTCTCAGCAGATGCCTTTCACAGGTTGATATGGGAAGTCTGGATGCCTTTTGTTCGA  
 AATATTGTCAACCCAGTGGCAGCCAAGGAAGTGTGACCCGATGGTGGACTTTTGGATAGTTGGGTGCACA  
 TTATTCTGTGTGGATCTTAGATAACATACTGGACCAACTCATCTTCCCCAAGCTGCAAAAGGAGGTGGA  
 AAAGTGAACCCGCTCACAGACTGTTCATCCACTCTGGATCCACCCATGGCTGCCCTTATGCAG  
 GCACGGCTGGAGCCACTTATTCCTCCATCCGTAAGCTGTCCAGCGCCTGCAGAAGTGGCACCCCA  
 GCGACTCCTCTGCAAGCTCATCTCCAGCCCTGGAAGGATGTCTTCACTCCTGGCTCCTGGGAAGCATT  
 CATGGTCAAAAACATAGTGCCCAAGCTGGGGATGTGTCTTGGTGAGCTAGTCATTAACCCCCACAGCAG  
 CACATGGATGCATTCTATTGGGTGATTGACTGGGAAGGGATGATCTGTCTCTAGCCTGGTGGGACTTC  
 TTGAAAAGCACTTCTTCCCCAAGTGGCTTCAGGTGCTGTGCTCTTGGCTCAGTAACAGCCAAATATGA  
 GGAGATCACCAAGTGGTACCTGGGTTGGAAGTCGATGTTCTCAGACCAAGTGTGGCACATCCATCTGTC  
 AAGGACAAATTTAATGAGGCACCTGATATCATGAACCGGGCGGTGCTCCTCAACGTTGGTGCCTACATGC  
 AGCCAGGAGCACGGGAGAACATTGCCTATCTCACCCACACGGAGCGGAGGAAGGACTTCCAGTACGAGGC  
 CATGCAGGAGAGGCGGGAGGCTGAGAACATGGCTCAGAGGGGCATTGGCGTGGCCGCTAGCTCTGTGCC  
 ATGAACTTTAAGGACCTATTGAGACCAAGGCTGAGGAGCACAACATTGTCTTATGCCCGCTATTGGGA  
 AGCGACACGAAGGGAAGCAGCTTACACCTTTGGCCGATTGTGATCTACATTGACCGGGGAGTGGTCTT  
 TGTCCAGGGCGAGAAGACGTGGGTGCCACCTCACTGCAGAGCCTGATCGACATGGCCAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC200290 protein sequence  
Red=Cloning site Green=Tags(s)

MSLSHL YRDGEGRIDDDDERENFEITDWLQNEFNPNRQRHWQTKEEATYGVWAERDSDDERPSFGGKR  
ARDYSAPVNFISAGLKKGAAEEAELEDSDEEKPVKQDDFPKDFGPRKLTGGNFKPSQKGFAGGTKSFM  
DFGSWERHTKIGQKLLQKMGYVPGRGLGKNAQGIINPIEAKQRKKGAVGAYGSERTTQSMQDFPVVDS  
EEEEEEEFQKELSQWRKDPGSKKKPKYSYKTVEELKAKGRISKLLTAPQKELSQVKVIDMTGREQKVVY  
SYSQISHKHNPDDGLPLQSQQLPQSGKEAKAPGFALPELEHNLQLLIDLTEQEI IQNDRQLQYERDMVV  
NLFHELEKMTEVLDHEERVISNLSKVLEMVEECERRMQPDCSNPLTLDECARIFETLQDKYYEYRMSDR  
VDLAVAI VYPLMKEYFKEWDPDKDCTYGTETIISKWKSLENDQLLSHGGQDL SADFHRLIWEVWMPFVR  
NIVTQWQPRNCDPMVDFLDSWVHIIPVWILDNILDQLIFPKLQKEVENWNPLTDTVPIHSWIHPWLPLMQ  
ARLEPLYSPIRSKLSALQKWHPSDSSAKLILQPWKDVFTPGSWEAFMVKNIVPKLGMCLGELVINPHQQ  
HMDAFYWVIDWEGMISVSSLVGLLEKHFFPKWLQVLC SWLSNSPNYEEITKWYLGWKSMSFSDQVLAHPSV  
KDKFNEALDIMNRAVSSNVGAYMQPGARENIAYLTHERRKDFQYEAMQERREAENMAQRGIGVAASSVP  
MNFKDLIETKAEHNIVFMPVIGKRHEGKQLYTFGRIVYIDRGVVFVQGEKTWVPTSLQSLIDMAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6691\\_g05.zip](https://cdn.origene.com/chromatograms/mk6691_g05.zip)

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001008697

**ORF Size:** 2511 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001008697.2](#)

**RefSeq Size:** 2941 bp

**RefSeq ORF:** 2514 bp

**Locus ID:** 24144

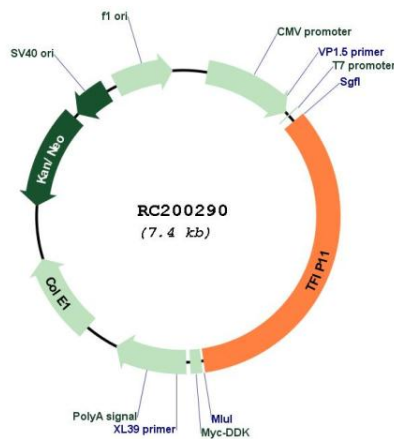
**UniProt ID:** [Q9UBB9](#)

**Cytogenetics:** 22q12.1

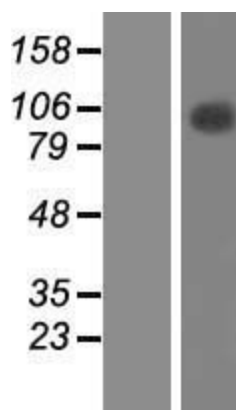
**MW:** 96.8 kDa

**Gene Summary:** This gene encodes a protein component of the spliceosome that promotes the release of the lariat-intron during late-stage splicing through the recruitment of a pre-mRNA splicing factor called DEAH-box helicase 15. The encoded protein contains a G-patch domain, a hallmark of RNA-processing proteins, that binds DEAH-box helicase 15. This protein contains an atypical nuclear localization sequence as well as a nuclear speckle-targeting sequence, enabling it to localize to distinct speckled regions within the cell nucleus. Polymorphisms in this gene are associated with dental caries suggesting a role in amelogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2016]

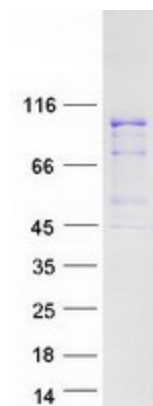
## Product images:



Circular map for RC200290



Western blot validation of overexpression lysate (Cat# [LY423349]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200290 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TFIP11 protein (Cat# [TP300290]). The protein was produced from HEK293T cells transfected with TFIP11 cDNA clone (Cat# RC200290) using MegaTran 2.0 (Cat# [TT210002]).