

Product datasheet for **RG207682**

TFIP11 (NM_012143) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TFIP11
Synonyms:	bK445C9.6; NTRI; Spp382; STIP; STIP-I; TIP39
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG207682 representing NM_012143
Red=Cloning site Blue=ORF Green=Tags(s)

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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207682 representing NM_012143

Red=Cloning site Green=Tags(s)

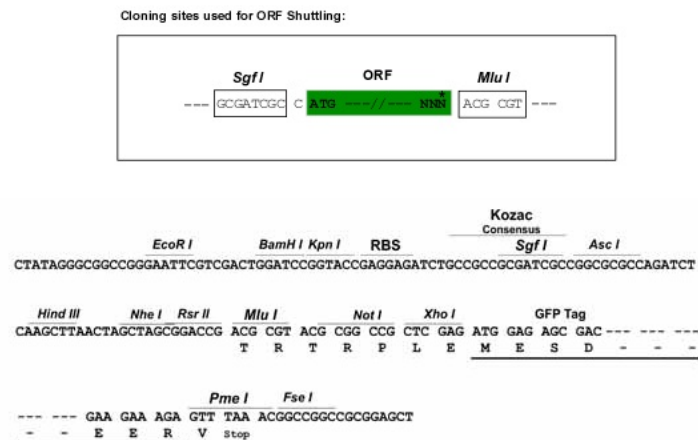
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TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_012143

ORF Size:

2511 bp

OTI Disclaimer:

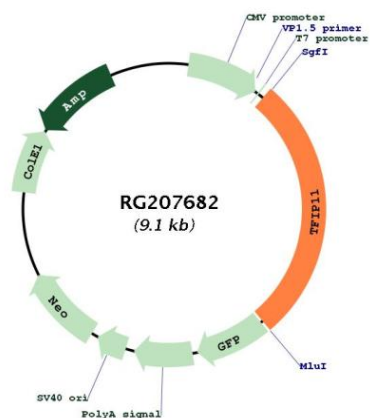
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_012143.2 , NP_036275.1
RefSeq Size:	2864 bp
RefSeq ORF:	2514 bp
Locus ID:	24144
UniProt ID:	Q9UBB9
Cytogenetics:	22q12.1
Domains:	G-patch
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 RG207682