

# Product datasheet for RC200361L3

### OriGene Technologies, Inc.

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## TFIIF (GTF2F2) (NM\_004128) Human Tagged Lenti ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** TFIIF (GTF2F2) (NM\_004128) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: TFIIF

Synonyms: BTF4; RAP30; TF2F2; TFIIF

Mammalian Cell

Selection:

Puromycin

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

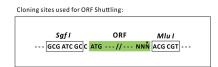
ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC200361).

Sequence:

Sgfl-Mlul

Restriction Sites: Cloning Scheme:





st The last codon before the Stop codon of the ORF.

**ACCN:** NM\_004128

ORF Size: 747 bp





#### TFIIF (GTF2F2) (NM\_004128) Human Tagged Lenti ORF Clone - RC200361L3

**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:** <u>NM 004128.1</u>

RefSeq Size: 1469 bp RefSeq ORF: 750 bp Locus ID: 2963

UniProt ID: P13984

**Cytogenetics:** 13q14.12-q14.13

**Protein Families:** Transcription Factors

**Protein Pathways:** Basal transcription factors

MW: 28.4 kDa

**Gene Summary:** TFIIF is a general transcription initiation factor that binds to RNA polymerase II and helps to

recruit it to the initiation complex in collaboration with TFIIB. It promotes transcription elongation. This subunit shows ATP-dependent DNA-helicase activity.[UniProtKB/Swiss-Prot

Function]