

## Product datasheet for **RG237084**

### TFII I (GTF2I) (NM\_001280800) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TFII I (GTF2I) (NM_001280800) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TFII I
Synonyms:	BAP135; BTKAP1; DIWS; GTFII-I; IB291; SPIN; TFII-I; WBS; WBSCR6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237084 representing NM_001280800. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCCAAGTTGCAATGTCCACCCTCCCCGTTGAAGATGAGGAGTCCTCGGAGAGCAGGATGGTGGTG
ACATTCTCATGTGAGCTCTCGAGTCCATGTGTAAGAAGTGGCCAAGTCAAAGCCGAAGTGGCCTGC
ATTGCAGTGTATGAAACAGACGTGTTTGTGTCGCGAACTGAAAGAGGACGTGCTTTTGTCAATACCAGA
AAGGATTTTCAAAAAGATTTTGTAAAATATTGTGTTGAAGAAGAAGAAAAGCTGCAGAGATGCATAAA
ATGAAATCTACAACCCAGGCAAAATCGGATGAGTGTAGATGCTGTAGAAATGAAACACTCAGAAAAACA
GTTGAGGACTATTTCTGCTTTTGTATGGGAAAGCTTTAGGCAAATCCACAGTGGTACCTGTACCATAT
GAGAAGATGCTGCGAGACCAGTCGGCTGTGGTAGTGCAGGGGCTCCGGAAGGTGTTGCCTTTAAACAC
CCCGAGAACTATGATCTTGCAACCCTGAAATGGATTTTGGAGAACAAGCAGGGATTTTCATTCATCATT
AAGAGACCTTTTTTAGAGCCAAAGAAGCATGTAGGTGGTTCGTGTGATGGTAACAGATGCTGACAGGTCA
ATACTATCTCCAGGTGGAAGTTGTGGCCCCATCAAAGTAAAAGTGAACCCACAGAAGATTCTGGCATT
TCCCTGGAATGGCAGCTGTGACAGTAAAGGAAGAATCAGAAGATCCTGATTATTATCAATATAACATT
CAAGGAAGCCACCATTCTCAGAGGGCAATGAAGGCACAGAAATGGAAGTACCAGCAGAAGGT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237084  
 Blue=ORF Red=Cloning site Green=Tag(s)

MAQVAMSTLPVEDEESSESRMVVTFLMSALESMCKELAKSKAEVACIAVYETDVFVVGTERGRAVNTNR  
 KDFQKDFVKYCVEEEEKAAEMHKMKSTTQANRMSVDAVEIETLRKTVEDYFCFCYKALGKSTVVPVY  
 EKMLRDQSAVVVQGLPEGVAFKHPENYDLATLKWILENKAGISFIIKRPFLPKKHVGGKVMVTDADRS  
 ILSPGGSCGPIKVKTEPTEDSGISLEMAAVTVKEESEDPDYQYNIQGSHTSSEGNTEMEVPAEG  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001280800

**ORF Size:** 822 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).

**RefSeq:** [NM\\_001280800.1](#), [NP\\_001267729.1](#)

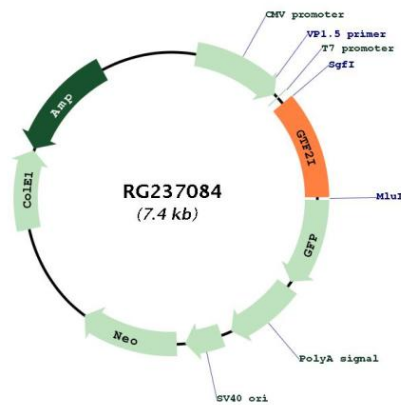
**RefSeq Size:** 1377 bp

**RefSeq ORF:** 825 bp

**Locus ID:** 2969  
**UniProt ID:** [P78347](#)  
**Cytogenetics:** 7q11.23  
**Protein Families:** Transcription Factors  
**Protein Pathways:** Basal transcription factors  
**MW:** 30.9 kDa

**Gene Summary:** This gene encodes a phosphoprotein containing six characteristic repeat motifs. The encoded protein binds to the initiator element (Inr) and E-box element in promoters and functions as a regulator of transcription. This locus, along with several other neighboring genes, is deleted in Williams-Beuren syndrome. There are many closely related genes and pseudogenes for this gene on chromosome 7. This gene also has pseudogenes on chromosomes 9, 13, and 21. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Jul 2013]

### Product images:



Circular map for RG237084