

## Product datasheet for **RG209126**

### TFII I (GTF2I) (NM\_001518) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TFII I (GTF2I) (NM_001518) 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)



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**ORF Nucleotide Sequence:**

>RG209126 representing NM\_001518  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCCAAGTTGCAATGTCCACCTCCCCGTTGAAGATGAGGAGTCCTCGGAGAGCAGGATGGTGGTGA  
 CATTCTCATGTAGCTCTCGAGTCCATGTGTAAGAAGCTGGCCAAGTCCAAAGCCGAAGTGGCCTGCAT  
 TGCAGTGTATGAAACAGACGTGTTTGTCTCGGAACTGAAAGAGGACGTGCTTTTGTCAATACCAGAAAG  
 GATTTTCAAAAAGATTTTGTAAAATATTGTGTTGAAGAAGAAGAAAAAGCTGCAGAGATGCATAAAATGA  
 AATCTACAACCCAGGCAAAATCGGATGAGTGTAGATGCTGTAGAAAATTGAAACACTCAGAAAAACAGTTGA  
 GGACTATTTCTGCTTTTGTCTATGGGAAAGCTTTAGGCAAAATCCACAGTGGTACCTGTACCATATGAGAAG  
 ATGCTGCGAGACCAGTCGGCTGTGGTAGTGCAGGGGCTCCGGAAGGTGTGCCTTTAACACCCCGAGA  
 ACTATGATCTTGAACCCGAAAATGGATTTTGGAGAACAAGCAGGGATTCATTCATCATTAAAGAGACC  
 TTTTTTAGAGCCAAAGAAGCATGTAGTGGTCTGTGTATGGTAACAGATGCTGACAGGTCAATACTATCT  
 CCAGGTGGAAGTTGTGGCCCATCAAAGTGAAAAGTGAACCCACAGAAGATTCGGCATTTCCTCGGAAA  
 TGGCAGCTGTGACAGTAAAGGAAGAATCAGAAGATCCTGATTATTATCAATATAACATTCAGGAAGCCA  
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 GTTTGAAAGGAAATATGCTCAAGCCATAAAAGCCAAAGGTCCGGTGACGATCCCGTACCCCTTTTCCAG  
 TCTCATGTTGAAGATCTTATGTAGAAGGACTTCTGAAGGAATTCCTTTTGAAGGCCATCTACTTACG  
 GAATTCCTCGCTGGAGAGGATATTACTTGCAAAGGAAAGGATTTCGTTTTGTGATTAAGAACAATGAGCT  
 TCTGAATTC AACACGTGAAGATTTACAGCTTGATAAGCCAGCTTCAGGAGTAAAGGAAGAATGGTATGCC  
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 TCCGAGGCTGGAGAAGATACTCAGAAACAAGCCAAAATTAAGTTCATCATTAAAAAGCCGAAAATGTTT  
 GAGACGGCGATTAAGGAGAGCACCTCCTCTAAGAGCCCTCCAGAAAAATAAATTCATCACCCAATGTTA  
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 GAAGCTATTGGTATGGGTTTTCTGTGAAAAGTTCCCTACAGGAAAATCACAATTAACCTGGCTGTGTGG  
 TGGTTGATGGCATGCCCCGGGGGTGTCCTTCAAAGCCCCAGCTACCTGGAAAATCAGCTCCATGAGAAG  
 GATCTTAGACTCTGCCGAGTTTATCAAATTCACGGTCATTAGACCATTTCCAGGACTTGTGATTAATAAC  
 CAGCTGGTTGATCAGAGTGAAGCAGAGCCCGTGATAACAAGAATCAGCTGAACCAAGCCAGTTGGAAG  
 TTCAGCCACAGAAGAAATAAAGAGACTGATGGAAGCTCTCAGATCAAGCAAGAACCAGACCCACGCTG  
 G

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG209126 representing NM\_001518  
Red=Cloning site Green=Tags(s)

MAQVAMSTLPVEDEESSESRMVVTFLMSALESMCKELAKSKAEVACIAVYETDVFVVGTERGRAVFNTRK  
 DFQKDFVKYCVVEEEKAEMHKMKSTTQANRMSVDAVEIETLRKTVEDYFCFCYKALGKSTVVPYVEK  
 MLRDQSAAVVVQGLPEGVAFKHPENYDLATLKWILENKAGISFIIKRPFLPEPKKHVGGRMVTDADRSILS  
 PGGSCGPIKVKTEPTEDSGISLEMAAVTVKEESEDPDYQYNIQGSHSSEGNTEMEVPAEDDDYSPP  
 SKRPKANLPQPPVPEPANAGKRKRVFNFEKWNARITDLRKQVEELFERKYAQAIKAKGPVTIPYPLFQ  
 SHVEDLYVEGLPEGIPFRFPSTYGIPLRERILLAKERIRFVIKKHELLNSTREDLQLDKPASGVKEEYWA  
 RITKLRKMDQLFCKKFAEALGSTEAKAVPYQKFEAHPNDLYVEGLPENIPFRSPSWYGIPLREKIIQVG  
 NRIKFKVIRPELLTHSTTEVTQPRNTNPKEDWNVKITKLRKQVEEIFNLKFAQALGLTEAVKVPYPVFE  
 SNPEFLYVEGLPEGIPFRSPTWFGIPLRERIVRGSNKIKFVVKKPELVISYLPFGMASKINTKALQSPKR  
 PRSPGSNSKVPEIEVTVEGPNNNPQTSVRTPTQTNGSNVFPKPRGREFSFEAWNAKITDLKQKVENLF  
 NEKCGEALGLKQAVKVPFALFESFPEDFYVEGLPEGVFPFRPSTFGIPLREKILRNKAKIKFIIKKPEMF  
 ETAIKESTSSKSPRKINSSPNVNTTASGVEDLNIIQVTIPDDNERLSKVEKARQLREQVNDLFSRKFG  
 EAI GMGFPVKVPYRKITINPGCVVVDGMPGVSFKAPSYLEISSMRRILDSAEIFKFTVIRPFPLVINN  
 QLVDQSESEGPVIQESAEPQLEVPATEEIKETDGSSQIKQEPDPTW

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

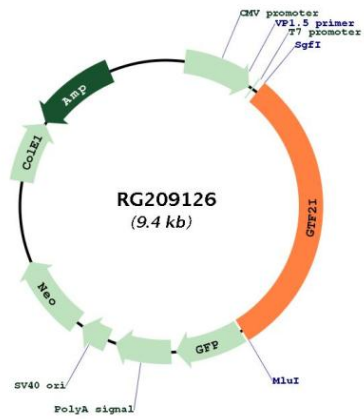


**ACCN:** NM\_001518

**ORF Size:** 2871 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001518.3</a>
<b>RefSeq Size:</b>	4422 bp
<b>RefSeq ORF:</b>	2874 bp
<b>Locus ID:</b>	2969
<b>UniProt ID:</b>	<a href="#">P78347</a>
<b>Cytogenetics:</b>	7q11.23
<b>Domains:</b>	GTF2I
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Basal transcription factors
<b>Gene Summary:</b>	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 RG209126