

## Product datasheet for **SC109285**

### TFII I (GTF2I) (NM\_032999) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | TFII I (GTF2I) (NM_032999) Human Untagged Clone                 |
| Tag:                      | Tag Free  |
| Symbol:                   | TFII I  |
| Synonyms:                 | BAP135; BTKAP1; DIWS; GTFII-I; IB291; SPIN; TFII-I; WBS; WBSCR6 |
| Mammalian Cell Selection: | None  |
| Vector:                   | <u><a href="#">pCMV6-XL5</a></u>                                |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_032999, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCAAGTTGCAATGTCCACCCTCCCCGTTGAAGATGAGGAGTCTCGGAGAGCAGGATGGTGGTGA
CATTCTCATGTGAGCTCTCGAGTCCATGTGTAAGAAGTGGCCAAGTCCAAAGCCGAAGTGGCCTGCAT
TGCAGTGTATGAAACAGACGTGTTTGTGCTCGGAACTGAAAGAGGACGTGCTTTTGTCAATACCAGAAAG
GATTTTCAAAAAGATTTTGTAAAATATTGTGTTGAAGAAGAAGAAAAAGCTGCAGAGATGCATAAAATGA
AATCTACAACCCAGGCAATCGGATGAGTGTAGATGCTGTAGAAAATTGAAACACTCAGAAAAACAGTTGA
GGACTATTTCTGCTTTTGTATGGGAAAGCTTTAGGCAAAATCCACAGTGGTACCTGTACCATATGAGAAG
ATGCTGCGAGACCAGTCCGCTGTGGTAGTGCAGGGGCTCCGGAAGGTGTGCCTTTAAACACCCCGAGA
ACTATGATCTTGAACCCCTGAAATGGATTTTGGAGAACAAGCAGGGATTTTCATTCATCATTAAAGAGACC
TTTTTTAGAGCCAAAGAAGCATGTAGTGGTCTGTGTATGGTAACAGATGCTGACAGGTCAATACTATCT
CCAGGTGGAAGTTGTGGCCCATCAAAGTGAAGTGAACCCACAGAAGATTCTGGCATTCCCTGGAAA
TGGCAGCTGTGACAGTAAAGGAAGAATCAGAAGATCCTGATTATTATCAATATAACATTCAGCAGGCC
TTCTGAAACTGATGATGTTGATGAAAAACAGCCCTATCGAAGCCTTTCGAAGGAAGCCACCATTCTCA
GAGGGCAATGAAGGCACAGAAATGGAAGTACCAGCAGAAGATTCTACTCAACATGTCCCTTCAGAAACAA
GTGAGGACCCTGAAGTTGAGGTGACTATTGAAGATGATGATTATTCTCCACCGTCTAAGAGACCAAAGGC
CAATGAGCTACCCGAGCCACCAGTCCCGGAACCCGCAATGTCTGGGAAGCGGAAAGTGAAGGGAGTTCAAC
TTCGAGAAATGGAATGCTCGCATCACTGATCTACGTAACAAGTTGAAGAATTGTTTGAAGGAAATATG
CTCAAGCCATAAAAGCCAAAGGTCCGGTACGATCCCGTACCCTCTTTCCAGTCTCATGTTGAAGATCT
TTATGTAGAAGGACTTCTGAAGGAATTCCTTTTGAAGGCCATCTACTACGGAATTCCTCGCCTGGAG
AAGATTTACAGCTTGATAAGCCAGCTTCAGGAGTAAAGGAAGAATGGTATGCCAGAATCACTAAATTAAG
AAAGATGGTGGATCAGCTTTTCTGCAAAAAATTTGCGGAAGCCTTGGGGAGCACTGAAGCCAAGGCTGTA
CCGTACAAAAATTTGAGGCACACCCGAATGATCTGTACGTGGAAGGACTGCCAGAAAAACATTCCTTTCC
GAAGTCCCTCATGGTATGGAATCCCAAGGCTGGAAAAATCATTCAAGTGGGCAATCGAATTAATTTGT
TATTAAGAGACCAGAACTTCTGACTCACAGTACCAGTGAAGTTACTCAGCCAAGAACGAATACACCAGTC
AAAGAAGATTGGAATGTCAGAATTACCAAGCTACGGAAGCAAGTGAAGAGATTTTTAATTTGAAATTTG
CTCAAGCTCTTGGACTCACCGAGGCAGTAAAAGTACCATATCCTGTGTTGAATCAAACCCGGAGTCTT
GTATGTGAAGGCTTGCCAGAGGGGATTCCTTCCGAAGCCTACCTGGTTTGAATTCACGACTTGAA
AGGATCGTCCGCGGAGTAATAAAATCAAGTTCGTTGTTAAAAAACCTGAACTAGTATTTCCTACTTGC
CTCCTGGGATGGCTAGTAAAATAAACACTAAAGCTTTGCAAGTCCCCCAAAAGACCACGAAGTCTGGGAG
TAATTCAAAGGTTCTGAAATGAGGTCACCGTGGGAAGGCCCTAATAACAACAATCCTCAAACCTCAGCT
GTTCGAACCCCGACCCAGACTAACGGTTCTAACGTTCCCTTCAAGCCACGAGGGAGAGAGTTTTCTTTG
AGGCTTGGCCTTAAACAAGCTGTGAAGGTGCCGTTTCGCGTTATTTGAGTCTTTCCCGGAAGACTTTTAT
GTGGAAGGCTTACCTGAGGGTGTGCCATTCCGAAGACCATCGACTTTTGGCATTCCGAGGCTGGAGAAGA
TACTCAGAAACAAAGCCAAAATTAAGTTCATCATTAAAAAGCCCGAAATGTTTGAAGCAGGATTAAGGA
GAGCACCTCCTTAAGAGCCCTCCAGAAAAATAAATTCATCACCAATGTTAATACTACTGATCAGGT
GTTGAAGACCTTAACATCATTACAGTGACAATTCAGATGATGATAATGAAAGACTCTCGAAAGTTGAAA
AAGCTAGACAGCTAAGAGAACAAGTGAATGACCTCTTAGTCGGAATTTGGTGAAGCTATTGGTATGGG
TTTTCTGTGAAAGTTCCCTACAGGAAAAATCACAATTAACCCCTGGCTGTGTGGTAGTTGATGGCAGCCC
CCGGGGGTGTCCTTCAAAGCCCCAGCTACCTGGAAATCAGCTCCATGAGAAGGATCTTAGACTCTGCCG
AGTTTATCAAATTCAGGTCATTAGACCATTTCCAGGACTGTGATTAATAACCAGCTGGTTGATCAGAG
TGAGTCAGAAGGCCCGTGATACAAGAATCAGCTGAACCAAGCCAGTTGGAAGTTCCAGCCACAGAAGAA
ATAAAAGAGACTGATGGAAGCTCTCAGATCAAGCAAGAACCAGACCCACGTGGTAG
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_032999 unedited  
 GTTCAAATTTGTATACGACTCACTATAGGCGGCCGGAATCGGCACGAGGCCGCTCGCCA  
 GCTCCCCCAGCCGAGGCTGCTCCGCGCGGCCGAGCCCGCGCGGCCACACTCGCC  
 TCCCCTCGGCACCCCGGCCCGGAGCTGCCTGGAGGCGGCCCACTCGGGGATCATGGC  
 CCAAGTTGCAATGTCCACCCTCCCCTGTAAGATGAGGAGTCTCGGAGAGCAGGATGGT  
 GGTGACATTCCTCATGTGAGTCTCGAGTCCATGTGTAAGAAGTGGCCAAGTCAAAGC  
 CGAAGTGGCCTGCATTGCAGTGTATGAAACAGACGTGTTTGTGTCGCGAACTGAAAGAGG  
 ACGTGCTTTTGTCAATACCAGAAAGGATTTTCAAAAAGATTTTGTAAAATATTGTGTTGA  
 AGAAGAAGAAAAAGCTGCAGAGATGCATAAAAATGAAATCTACAACCCAGGCAAATCGGAT  
 GAGTGTAGATGCTGTAGAAATTGAAACACTCAGAAAAACAGTTGAGGACTATTTCTGCTT  
 TTGCTATGGGAAAGCTTTAGGCAAATCCACAGTGGTACCTGTACCATATGAGAAGATGCT  
 GCGAGACCAGTCGGCTGTGGTAGTGCAGGGCTCCGGAAGGTGTTGCCTTTAAACACC  
 CGAGAATATGATCTTGAACCCGAAATGGATTTTGGAGAACAAGCAGGGATTTTCATT  
 CATCATTAAGAGACCTTTNTTAGAGCCAAAGAAGCATGTANGTGGNTCGTGTGATGGTAA  
 CAGATGCTGACAGTCAATACTATCTNNCAGTGGAAAGTGTGGCCCATCANAGTGANAA  
 CTGAACCACAGAAGATNCTGGCATTTCCTGGGAATGGCAGCTGTGACAGTNAAGGAGAA  
 TCAGAAGATCCTGATTATTATCAATATAAC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_032999 unedited  
 CTCTGGACCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGGTGTGAA  
 AGGCATGGATGGATTTTATTGATTACCCTATATCTACAATTTGAGGTAATAAGAAAGCAA  
 CACATAAAAGGGCTATTTCTGCTACCATGTATATAATTCTCCATTGTGAATATTGTGA  
 TAAAGCTACTGAAACTATGCCGTACAGAGCCTAGCTTCTTGTAGAGCTGGTATTTTAC  
 AACTCGCATTGCTTGTGAAATCTCAACACATGTAAGACTCTCCTAGGAAGGCGCAGAACG  
 TCAGAGGTTGCATCCTTAGCCCCCTGACCCCTCCTCACTCCCCGCGCTGGCACCTCAGGG  
 TTACAAGAAGAACTAGGAAATAATGCCGGCCACGGCGACCCCTGGAGAGGGGGCCGGCTA  
 GAACAGCGTTCCTAAGAAATCCGCGCCACAGCAGTCCCGCGATGTTGGGGCCTTAGTGTG  
 ATCGAGCTAGCCCCAATCCTCAACCCGATCTTCAACTTCTGGTACACCATGCATTTTATT  
 TGGACGAAAAGTAAAAGTGAAGAGGTTCTCTGTATTTCTCTATAATTCACACGCTG  
 AGATACTGACCTGACTGTTAGGTGATCCAGATGGTTNTGCTTTTAAATTATGATAAAAA  
 AACATAGGAACCATGAGAGATAGCTTANGAAAAGTTTAGTCAAATATACAGATAGGAAA  
 CTGNTCACTCAGTCATTAAGGAGAAGCCGTGACAAAGGATCATTTAAATGATTTTTTTTT  
 TTTCAATAGAAAACTAAAGAACTGACTATACAGGAATTTTTTCTCACTGCAGAAGCTG  
 ANAATGTCCANTNGGAGAGTANGAGAATTTCTCACTTGATTGGAATAAACACGTTACTC  
 AAGGCTCTGCTGCGTCATTAATAATCTGGGAGAATAATCTGNAATTTTCCCTGGATTC  
 CCACCATGCTGGAATCTGAAAGCAA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_032999

**Insert Size:**

5750 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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).

|                               |  |
|-------------------------------|--|
| <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_032999.1</a> , <a href="#">NP_127492.1</a>  |
| <b>RefSeq Size:</b>           | 4580 bp  |
| <b>RefSeq ORF:</b>            | 2997 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>          | <p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1, also known as gamma).</p> |