

Product datasheet for **SC109286**

TFII I (GTF2I) (NM_033000) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TFII I (GTF2I) (NM_033000) 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>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_033000, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCAAGTTGCAATGTCCACCCTCCCCGTTGAAGATGAGGAGTCTCGGAGAGCAGGATGGTGGTGA
CATTCTCATGTGAGCTCTCGAGTCCATGTGTAAGAAGTGGCCAAGTCCAAAGCCGAAGTGGCCTGCAT
TGCAGTGTATGAAACAGACGTGTTTGTGCTCGGAACTGAAAGAGGACGTGCTTTTGTCAATACCAGAAAG
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AATCTACAACCCAGGCAATCGGATGAGTGTAGATGCTGTAGAAAATTGAAACACTCAGAAAAACAGTTGA
GGACTATTTCTGCTTTTGTATGGGAAAGCTTTAGGCAAAATCCACAGTGGTACCTGTACCATATGAGAAG
ATGCTGCGAGACCAGTCCGCTGTGGTAGTGCAGGGGCTCCGGAAGGTGTTCCTTTAAACACCCCGAGA
ACTATGATCTTGAACCCCTGAAATGGATTTTGGAGAACAAGCAGGGATTTTCATTCATCATTAAAGAGACC
TTTTTTAGAGCCAAAGAAGCATGTAGTGGTCTGTGATGGTAACAGATGCTGACAGGTCAATACTATCT
CCAGGTGGAAGTTGTGGCCCATCAAAGTGAAGTGAACCCACAGAAGATTCTGGCATTTCCTTGAA
TGGCAGCTGTGACAGTAAAGGAAGAATCAGAAGATCCTGATTATTATCAATATAACATTCAGGAAGCCA
CCATTCTCAGAGGGCAATGAAGGCACAGAAATGGAAGTACCAGCAGAAGATTCTACTCAACATGTCCCT
TCAGAAAACAAGTGAAGCCCTGAAGTTGAGGTGACTATTGAAGATGATGATTATTCTCCACCGTCTAAGA
GACCAAAGGCCAATGAGCTACCGCAGCCACCAGTCCCGGAACCCGCCAATGCTGGGAAGCGGAAAGTGA
GGAGTTCAACTTCGAGAAATGGAATGCTCGCATCACTGATCTACGTAAACAAGTTGAAGAATTGTTTGA
AGGAAATATGCTCAAGCCATAAAAGCCAAAGTCCGGTGCAGTCCCGTACCCTCTTTCCAGTCTCATG
TTGAAGATCTTTATGTAGAAGGACTTCTGAAGGAATTCCTTTTGAAGGCCATCTACTACGGAATTC
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TCCACTTGCCTCCTGGGATGGCTAGTAAAATAAACACTAAAGCTTTGCAGTCCCCAAAAGACCAGAA
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AACCTCAGCTGTTGCAACCCCGACCCAGACTAACGGTCTAACGTTCCCTTCAAGCCACGAGGGAGAGAG
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AATGTGGGAAGCTCTTGGCCTTAACAAGCTGTGAAGGTGCCGTTTCGCGTTATTTGAGTCTTCCCGGA
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TGGCATGCCCCGGGGTGTCTTCAAAGCCCCAGCTACCTGGAATCAGCTCCATGAGAAGGATCTTA
GACTCTGCCGAGTTTATCAAATTCAGGTCATTAGACATTTCCAGGACTTGTGATTAATAACCAGCTGG
TTGATCAGAGTGAGTCAGAAGGCCCGTGATACAAGAATCAGCTGAACCAAGCCAGTTGGAAGTCCAGC
CACAGAAGAAATAAAGAGACTGATGGAAGCTCTCAGATCAAGCAAGAACCAGACCCACGTGGTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_033000 unedited
 NGGGTCAAATTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACCANANAGAAAA
 GGGCCACCGGTGCGCCCCCGCTTCCCCGACGCGCTCTCCAGCCGCGGCCGCCCGCCTG
 CCGCGGTACCCCGGCTCTGCCTCTGTCCCCAGTGATCGGATCAAGGCGCTGAGCGAG
 GCCCTGCCTGCGGGCGGCCATGCGGCGGTGACAGGAGCGCGACCGACACGCACGGGCC
 CTCGCCCCCTCTCGCTCCCGTCCGCTCGCCAGCTCCCCCAGCCGAGGCTGCTCCGCGG
 CGGCCGACGCCCGCGGCCACACTCGCCTCCCCTCGGCACCCCGGCCCGCGGAGCT
 GCCTGGAGGCGCGCACTCGGGGATCATGGCCCAAGTTGCAATGTCCACCCTCCCCTGTT
 GAAGATGAGGAGTCTCGGAGAGCAGGATGGTGGTGACATTCTCATGTGAGCTCTCGAG
 TCCATGTGTAAAGAACTGGCCAAGTCCAAGGCCGAAGTGGCTGCATTGCAGTGTATGAA
 ACAGACGTGTTTGTGTCGGAAGTAAAGAGGACGTGCTTTTGTCAATACCAGAAAGGAT
 TTTCAAAAAGATTTTGTAAAATATTGTGTTGAAGAAGAAGAAAAAGCTGCAGAGATGCAT
 AAAATGAAATCTACAACCAGGCAAAATCGGATGAGTGTAGATGCTGTAGAAATTGAAACA
 CTCAGAANAACAGTTGAGGACTATTTCTGCTTTTGTATGGGAAAGCTNTANGCAAATCC
 ACAGTGGTACCTGTACCATATGAGAAGATGCTGCGAGACCCAGTCTGCTGGTAGTGCAG
 GNGCTTCCGGAAGGTGTTGCCTTTAAAACACCCGAAACTATGATCCTGCACCCTGAAATG
 GATTTGGAGAACAAGCAGGNATTCATT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_033000 unedited
 GGGGTACCTGTGNACCGCGCCGCATTCTAGNATCGAGTAATTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTTTAGGGGAACCAAATGGTTTTGCTTTTAATTATGATAAAAA
 AACATAGGAACCATGAAAGATAGCTTAGGAAAAGTTTTAGTCAAATATACAGATAGGAAC
 TGTTCACTCAGTCATTAAGGAGAGCCGGGAACAAAGGATCATTTAAATGATTTTTTTTTT
 TCAAATAGAAAACTAAAGAACTGAACTATCACAGGAATTTCTTTTCACTGCAAAACCTG
 AAATGTTCCAGTAGGAAAAGTAGGAAATATCTTCACTTGATTGGAAAATAAACACCGTAA
 CTCAAGGCTCTGTTGGGTACATAAAAAATCGGGGAGATTCACTTCCGCAATTTCCCTG
 TCATTTCCCCCATTGGTGGAAATCCTGATAGGCCCTGCCAGTCCCCCGCATTCCA
 AACCCACCGCCACTCCGCTTTCTAATCGTAGAACTGCCTGTACAGCGCTCCCGTCTTTC
 CACCACCACAGGCCCTTCCCAAGTTCCTCGCTCCCCCTCTTCCACCCCGCCGCG
 CCTCCTTTGTTTCCACCCGATCCCGTACCTTCCCTACCTTCCCTTCCGCGCCCTACC
 CCTTCCCCCCCCCTCCCTCCCTCCAGGTCTTTTGCACCCCTCCCCCTCTTCTTCCCC
 CCCCCGCTTTTTCTCTTCCGTTTTCTCTCCTCCTTCCCTCACCTCCCTTCTTTCC
 TTCTCCCATCCCTCCTGTTCCCTCTCCTACCCCTACCTCTTTCTTTCCCTCCTCGCTT
 CCCCTTTTTTCTTACCCACCCCTCTCTCCCTTCTCACCCCCACACCAC

Restriction Sites:

NotI-NotI

ACCN:

NM_033000

Insert Size:

3750 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).

Reconstitution Method:	<ol style="list-style-type: none">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:	NM_033000.1 , NP_127493.1
RefSeq Size:	4520 bp
RefSeq ORF:	2937 bp
Locus ID:	2969
UniProt ID:	P78347
Cytogenetics:	7q11.23
Domains:	GTF2I
Protein Families:	Transcription Factors
Protein Pathways:	Basal transcription factors
Gene Summary:	<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 (2) lacks an alternate in-frame exon, compared to variant 1. The encoded isoform (2, also known as beta) is shorter than isoform 1.</p>