

Product datasheet for **RC237084**

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: Myc-DDK
Symbol: GTF2I
Synonyms: BAP135; BTKAP1; DIWS; GTFII-I; IB291; SPIN; TFII-I; WBS; WBSCR6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237084 representing NM_001280800
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCCAAGTTGCAATGTCCACCCTCCCCGTTGAAGATGAGGAGTCCTCGGAGAGCAGGATGGTGGTGA
CATTCTCATGTCAGCTCTCGAGTCCATGTGTAAGAAGTGGCCAAGTCAAAGCCGAAGTGGCCTGCAT
TGCAGTGTATGAAACAGACGTGTTTGTGTCGCGAACTGAAAGAGGACGTGCTTTTGTCAATACCAGAAAG
GATTTTCAAAAAGATTTTGTAAAATATTGTGTTGAAGAAGAAGAAAAGCTGCAGAGATGCATAAAATGA
AATCTACAACCCAGGCAAATCGGATGAGTGTAGATGCTGTAGAAATTGAAACACTCAGAAAAACAGTTGA
GGACTATTTCTGCTTTTGTATGGGAAAGCTTTAGGCAAATCCACAGTGGTACCTGTACCATATGAGAAG
ATGCTGCGAGACCAGTCCGCTGTGGTAGTGCAGGGGCTCCGGAAGGTGTTGCCTTTAAACACCCCGAGA
ACTATGATCTTGCAACCCTGAAATGGATTTTGGAGAACAAGCAGGGATTCATTCATCATTAAAGAGACC
TTTTTTAGAGCCAAAGAAGCATGTAGGTGGTCTGTGTATGGTAACAGATGCTGACAGGTCAATACTATCT
CCAGGTGGAAGTTGTGGCCCATCAAAGTAAAAGTGAACCCACAGAAGATTCTGGCATTTCCTGGAAA
TGGCAGCTGTGACAGTAAAGGAAGAATCAGAAGATCCTGATTATTATCAATATAACATTCAGGAAGCCA
CCATTCTCAGAGGGCAATGAAGGCACAGAAATGGAAGTACCAGCAGAAGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237084 representing NM_001280800
Red=Cloning site Green=Tags(s)

MAQVAMSTLPVEDEESSESRMVVTFLMSALESMCKELAKSKAEVACIAVYETDVFVVGTERGRAVFNTRK
 DFQKDFVKYCVVEEEKAAEMHKMKSTTQANRMSVDAVEIETLRKTVEDYFCFCYKALGKSTVVPVPEYK
 MLRDQSAVVVQGLPEGVAFKHPENYDLATLKWILENKAGISFIIKRPFLPKKHVGGVRMVTADRSILS
 PGGSCGPIKVKTEPTEDSGISLEMAAVTVKEESEDPDYYQYNIQGSHSSEGNTEMEVPAEG

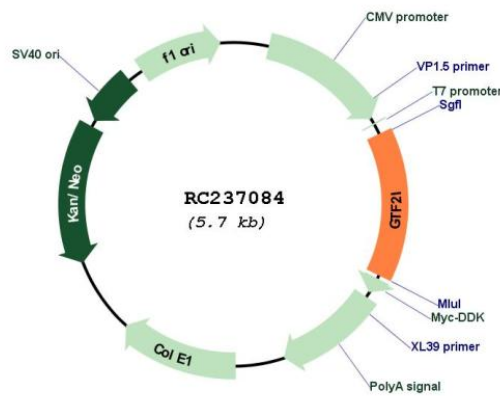
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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).
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_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]