

Product datasheet for **RC222178**

TFII I (GTF2I) (NM_033000) Human Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | TFII I (GTF2I) (NM_033000) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | TFII I |
| Synonyms: | BAP135; BTKAP1; DIWS; GTFII-I; IB291; SPIN; TFII-I; WBS; WBSCR6 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>RC222178 representing NM_033000
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCAAGTTGCAATGTCCACCTCCCCGTTGAAGATGAGGAGTCCTCGGAGAGCAGGATGGTGGTGA
 CATTCTCATGTAGCTCTCGAGTCCATGTGTAAGAAGCTGGCCAAGTCCAAAGCCGAAGTGGCCTGCAT
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 GATTTTCAAAAAGATTTTGTAAAATATTGTGTTGAAGAAGAAGAAAAAGCTGCAGAGATGCATAAAATGA
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 GGACTATTTCTGCTTTTGTCTATGGGAAAGCTTTAGGCAATCCACAGTGGTACCTGTACCATATGAGAAG
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 TGGCAGCTGTGACAGTAAAGGAAGAATCAGAAGATCCTGATTATTATCAATATAACATTCAGGAAGCCA
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 GACCAAAGGCCAATGAGTACCGCAGCCACCAGTCCCGGAACCCGCCAATGCTGGGAAGCGGAAAGTGAG
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 AGGAAATATGCTCAAGCCATAAAAGCCAAAGTCCGGTGCAGTACCCGTACCCCTTTTCCAGTCTCATG
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 CGGAGTCTTGTATGTGAAGGCTTGCCAGAGGGGATTCCTTCCGAAGCCCTACCTGGTTTGAATTC
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 AACCTCAGCTGTTCAACCCCGACCCAGACTAACGGTCTAACGTTCCCTTCAAGCCACGAGGGAGAGAG
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 TTGATCAGAGTGAAGTGAAGGCCCGTGATACAAGAATCAGCTGAACCAAGCCAGTTGGAAGTTCCAGC
 CACAGAAGAAATAAAGAGACTGATGGAAGCTCTCAGATCAAGCAAGAACCAGACCCACGTTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC222178 representing NM_033000
 Red=Cloning site Green=Tags(s)

MAQVAMSTLPVEDEESSESRMVVTFLMSALESMCKELAKSKAEVACIAVYETDVFVVGTERGRAFVNTRK
 DFQKDFVKYCVVEEEKAEMHKMKSTTQANRMSVDAVEIETLRKTVEDYFCFCYKALGKSTVVPVPEYK
 MLRDQSAAVVVQGLPEGVAFKHPENYDLATLKWILENKAGISFIIKRPFLPKKHVGRVMVTDADRSL
 PGGSCGPIKVKTEPTEDSGISLEMAAVTVKESEDPPDYQYNIQGSHSSEGNTEMEVPAEDSTQHVP
 SETSEDPEVEVTIEDDDYSPPSKRPKANELPQPPVPEPANAGKRKVREFNFEKWNARITDLRKQVEELFE
 RKYAQAIAKAKGPVTIPYPLFQSHVEDLYVEGLPEGIPFRPSTYGIPLRERILLAKERIRFVIKKHELLN
 STREDLQLDKPASGVKEEWYARITKLRKMVDQLFCKKFAEALGSTEAKAVPYQKFEAHPNDLYVEGLPEN
 IPFRSPSYGIPRLEKIIQVGNRIKFVIKRPPELLTHSTTEVTQPRNTNPVKEDWNVRITKLRQVEEIFN
 LKFAQALGLTEAVKVPYPVFESNPEFLYVEGLPEGIPFRSPTWFGIPRLERIVRGSNKIKFVVKPELVI
 SYLPPGMASKINTKALQSPKRPRSPGSNSKVPEIEVTVEGPNNNPQTSAVRTPQTNGSNVPFKPRGRE
 FSFEAWNAKITDLKQKVENLFNEKCGEALGLQAVKVPFALFESFPEDFYVEGLPEGVPPFRPSTFGIPR
 LEKILRNKAKIKFIIKKPEMFETAIKESTSSKSPPRKINSSPNVNTTASGVEDLNIQVTIPDDDNERLS
 KVEKARQLREQVNDLFSRKFGEATGMGFVPKVPYRKITINPGCVVVDGMPPGVVSFKAPSYLEISSMRRI
 DSAEFIKFTVIRPFPLVINQLVDQSESEGPVIQESAEPQLEVPATEEIKETDGSSQIKQEPDPTW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

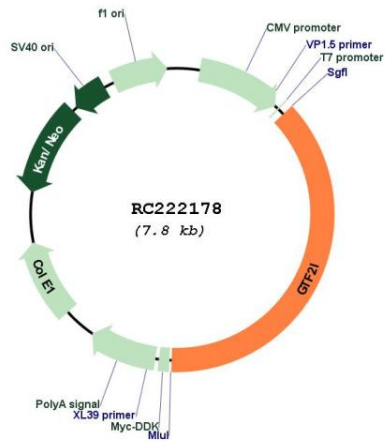


ACCN: NM_033000

ORF Size: 2934 bp

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|-------------------------------|---|
| 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_033000.2 , NP_127493.1 |
| RefSeq Size: | 4477 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 |
| MW: | 110.1 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 RC222178