

## Product datasheet for **RG234009**

### **TIS11B (ZFP36L1) (NM\_001244701) Human Tagged ORF Clone**

#### Product data:

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                            |
| Product Name:             | TIS11B (ZFP36L1) (NM_001244701) Human Tagged ORF Clone                         |
| Tag:                      | TurboGFP                                                                       |
| Symbol:                   | TIS11B                                                                         |
| Synonyms:                 | Berg36; BRF1; cMG1; ERF-1; ERF1; RNF162B; TIS11B                               |
| Mammalian Cell Selection: | Neomycin                                                                       |
| Vector:                   | pCMV6-AC-GFP (PS100010)                                                        |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                         |
| ORF Nucleotide Sequence:  | >RG234009 representing NM_001244701<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**

ATGGGGAGGGCCCGAAGTCGGGCCTGGGACAGAGGAGCCGGCCACCGCCTCCCGGTGGAAGCGGCAG  
TGCAGCCCGGAGTCAGAAAGGCGAGGGGCGCCGGGAATGGCGTGTGGGACTCCAGACAGGAGAGGCTGC  
GCCTTCCCGCACCGGGACCTTCGCGACACACCAGATCCTCGCCCTGGCTCGCGCAACGCACAGGATG  
ACCACCACCTCGTGTCTGCCACCATCTTCGACTTGAGCGAAGTTTTATGCAAGGGAACAAGATGCTCA  
ACTATAGTGCTCCAGTGCAGGGGTTGCCTGCTGGACAGAAAGGCAGTGGGCACCCCTGCTGGTGGGG  
CTTCCCTCGGAGGCACTAGTCACCCTGCCAGCTCCAAGTTCCACCAGAACCAGCTCCTCAGCAGCCTC  
AAGGGTGAGCCAGCCCCGCTCTGAGCTCGCGAGACAGCCGCTTCGAGACCGCTCCTTCTCGGAAGGGG  
GCGAGCGGCTGCTGCCACCCAGAACGAGCCCGGGGGCGGCCAGGTCAACTCCAGCCGCTACAAGACGGA  
GCTGTGCCGCCCTTTGAGGAAAACGGTGCCTGTAAGTACGGGGACAAGTGCCAGTTTCGCACACGGCATC  
CACGAGCTCCGCAGCCTGACCCGCCACCCCAAGTACAAGACGGAGCTGTGCCGCACCTTCCACACCATCG  
GCTTTTGCCCTACGGGCCCGCTGCCACTTCATCCACAACGCTGAAGAGCGCGGTGCCCTGGCCGGGGC  
CCGGGACCTCTCCGCTGACCGTCCCCGCTCCAGCATAGCTTTAGCTTTGCTGGGTTTCCAGTGCCGCT  
GCCACCGCGCTGCCACCGGGCTGCTGGACAGCCCCACGTCCATCACCCACCCCTATTCTGAGCGCCG  
ATGACCTCTGGGCTCACCTACCCTGCCGATGGCACCAATAACCTTTTGCCTTCTCCAGCCAGGAGCT  
GGCAAGCCTCTTTGCCCTAGCATGGGGCTGCCCGGGGTGGCTCCCCGACCACCTTCCTCTTCCGGCCC  
ATGTCCGAGTCCCTCACATGTTTGACTCTCCCCCAGCCCTCAGGATTCTCTCTCGACACGAGGGCT  
ACCTGAGCAGCTCCAGCAGCAGCCACAGTGGCTCAGACTCCCCGACCTTGGAACAACCAAGACGCTGCC  
CATCTTCAGCAGACTTTCATCTCAGATGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG234009 representing NM\_001244701  
 Red=Cloning site Green=Tags(s)

MGRARKSGLGQRSRPTASRSEAAVQPGVRKARGAGNWRVGLQTGEAAPSPHRDLRDTDPDRPWLARTHMTTLVSATIFDLSEVLCKGNKMLNYSAPSAGGCLLDRKAVGTPAGGGFPRRHSVTLPSKFKHQNQLLSSLKGEAPALSSRDSRFRDRSFSEGGERLLPTQKQPGGGQVNSSRYKTELCRPFEEENGACKYGDKCQFAHGIHELRLSLTRHPKYKTELCRTFHTIGFCPYGPRCHF IHNAEERRALAGARDLSADRPRLQHSFSFAGFPSAAATAAATGLLDSPTSITPPPILSADDLLGSPTLPDGTNNPFAFSSQELASLFAPSMGLPGGGSPPTTFLFRPMSESPHMFDSPPSPQDSLSDQEGYLSSSSSSHSGSDSPTLDNSRRLPIFSRLISDSD

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001244701

**ORF Size:** 1221 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:**

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\\_001244701.1](#), [NP\\_001231630.1](#)

**RefSeq Size:** 3212 bp

**RefSeq ORF:** 1224 bp

**Locus ID:** 677

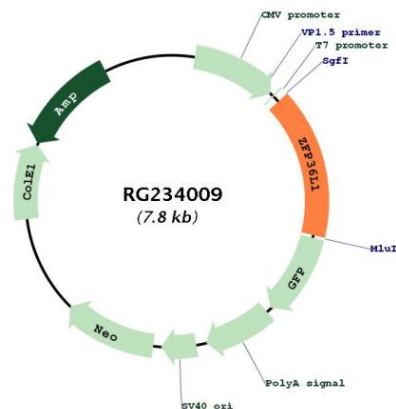
**UniProt ID:** [Q07352](#)

**Cytogenetics:** 14q24.1

**Protein Families:** Transcription Factors

**Gene Summary:** This gene is a member of the TIS11 family of early response genes, which are induced by various agonists such as the phorbol ester TPA and the polypeptide mitogen EGF. This gene is well conserved across species and has a promoter that contains motifs seen in other early-response genes. The encoded protein contains a distinguishing putative zinc finger domain with a repeating cys-his motif. This putative nuclear transcription factor most likely functions in regulating the response to growth factors. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

## Product images:



Circular map for RG234009