

Product datasheet for **RG232241**

TGF beta induced factor 2 (TGIF2) (NM_001199514) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TGF beta induced factor 2 (TGIF2) (NM_001199514) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TGIF2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG232241 representing NM_001199514
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGGACAGTGATCTAGGTGAGGACGAAGGCCTCCTCTCCCTGGCGGGCAAAGGAAGCGCAGGGGGA
 ACCTGCCCAAGGAGTCGGTGAAGATCCTCCGGGACTGGCTGTACTTGCACCGCTACAACGCCTACCCCTC
 AGAGCAGGAGAAGCTGAGCCTTCTGGACAGACCAACCTGTCAGTGCTGCAAATATGTAAGTGGTTCATC
 AATGCCCGGGCGGCTTCTCCAGACATGCTTCGGAAGGATGGCAAAGACCCTAATCAGTTTACCATT
 CCCGCCGGGGTAAGGCCTCAGATGTGGCCCTCCCCCGTGGCAGCAGCCCTCAGTGTGGCTGTGTC
 TGTCACGCCCCCAACAATGTGCTCTCCCTGTCTGTGTGCTCCATGCCGCTTCACTCAGGCGAGGGGAA
 AAGCCAGCAGCCCTTCCACGTGGGAGCTGGAGTCTCCCAAGCCCTGGTGACCCCTGGTAGCACAC
 TTAAGTCTGCTGACAGGGCTGAGGCTGGAAGCCCAAGGCTGGACTCTTCAACACGCCACCACCCACACC
 CCCAGAGCAGGACAAAGAGGACTTCAGCAGCTTCCAGCTGCTGGTGGAGGTGGCGCTACAGAGGGCTGCT
 GAGATGGAGCTTCAAGCAGCAGGACCCATCACTCCATTACTGCACACTCCCATCCCTTTAGTCTCTG
 AAAATCCCGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG232241 representing NM_001199514
 Red=Cloning site Green=Tags(s)

MSDSDLGEDEGLLSLAGKRKRRGNLPKESVKILRDWLYLHRYNAYPSEQEKLSSGQTNLSVLQICNWF
 NARRRLLPDMLRKDGKDPNQFTISRGGKASDVALPRGSSPSVLAVSVPAPTNLVLSVCSMPLHSGQGE
 KPAAPFPRGELESPKPLVTPGSTLTLLTRAEAGSPTGGLFNTPPPTPPEQDKEDFSSFQLLVEVALQRAA
 EMELQKQDPSLPLLHTPIPLVSEN PQ

TRTRPLE - GFP Tag - V



[View online »](#)

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:	<u>NM_001199514.2</u>
RefSeq Size:	3456 bp
RefSeq ORF:	714 bp
Locus ID:	60436
UniProt ID:	<u>Q9GZN2</u>
Cytogenetics:	20q11.23
Protein Families:	Transcription Factors
Gene Summary:	The protein encoded by this gene is a DNA-binding homeobox protein and a transcriptional repressor, which appears to repress transcription by recruiting histone deacetylases to TGF beta-responsive genes. This gene is amplified and over-expressed in some ovarian cancers. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 1. Read-through transcription also exists between this gene and the neighboring downstream C20orf24 (chromosome 20 open reading frame 24) gene. [provided by RefSeq, Dec 2010]