

Product datasheet for **RG216401**

TISI1D (ZFP36L2) (NM_006887) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TISI1D
Synonyms:	BRF2; ERF-2; ERF2; RNF162C; TISI1D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG216401 representing NM_006887
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGGCGCGCC

ATGTCGACCACACTTCTGTCCGCTTCTACGATGTCGACTTCTTGCAAGACAGAGAAATCCCTGGCCA
 ACCTCAACCTGAACAACATGCTGGACAAGAAGCGGTGGGACGCCTGTGGCCGCCGCCAGCTCGGG
 CTTGCGCCGGGATTCTCCGACGGCACTCGGCCAGCAACCTGCATGCACTCGCCACCCCGCGCCAGC
 CCCGGCAGCTGCTCGCCAAGTCCCGGGCGCCGCTAACGGCAGCAGCTGCGGCAGCGCGCGCGCGCG
 GTCCGACCTCTACGGCACCTTAAGGAGCCGTCGGGGGCGGGCGCACAGCCCTGCTCAACAAGGAGAA
 CAAATTCGGGACCGCTCGTTTAGCGAGAACGGCGATCGCAGCCAGCACCTCCTGCACCTGCAGCAGCAG
 CAGAAGGGGGCGCGGCTCCAGATCAACTCCACGCGCTACAAGACCGAGCTGTGCGGCCCTTCGAGG
 AGAGCGGCACGTGCAAGTACGGCGAAAAGTGCCAGTTCGCGCATGGCTTCACGAGCTGCGCAGCCTGAC
 TCGCCATCCGAAGTACAAGACCGAGCTGTGCCGACCTTTCATACCATCGGCTTCTGCCCTATGGCCG
 CGCTGCCACTTCATCCACAACGCGGACGAGCGCGGCCCGCGCCGTGCGGGGGCGCCTCCGGGGACCTGC
 GTGCCTTTGGCAGCGCGATGCGTTGACCTGGGCTTCCCGCGGGAGCCGCGGCCCAAGTTGCACCACAG
 CCTCAGCTTCTCGGGTTCCTCGGGCCACCATCAGCCCCGGGGCGGCTCGAGTCGCGCTGCTGCTC
 GACAGCCCCACGTGCGCAGCGCCGCGCGCCCTCTGCTCTTGGGCTCGTCTGCTCCTCCTCGGCT
 CCTCCTGTTCTCGGCTTCCGCGGCTCCACGCCCTCGGGCGCCCGACATGCTGCGCTCCGCGCGCGG
 CGCGGCTGCGCGCTCTGCTGTACGGCACCGGGGCGCCGAGGACCTGCTGGCGCGGGGGCCCGTGC
 GCGGCTGCTGCTGCGGCTCGTGCGCCAACACGCTTCGCTTCGGTCCGGAGCTCAGCAGCCTCATCA
 CGCGCTCGCCATCCAGACCCACAACCTTTCGCGCGTGGCGCGCGGCTACTACCGCAGTCAGCAGCA
 GCAGCAGCAGCGGCTGGCGCCCCCGCGCAGCGCGCGCGCGCCAGCGCAGCCTCCCCGCGGG
 GCGCGCGCACCTCCCTCGCGCCCTTCAGCTTCCAGCTGCCGCGCGCCTGTCCGACTCGCCCGTGTTCG
 ACGGCGCCCCCAGCCCCCGGACTCGCTGTGCGACCGCAGCAGTACCTAAGCGGCTCCCTGAGCTCCGG
 CAGCCTCAGCGGCTGAGTCTCCAGCCTCGACCCTGGCGCGCCTGCCAATCTTCAGCGCCTCTCC
 ATCTCCGACGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >RG216401 representing NM_006887
 Red=Cloning site Green=Tags(s)

MSTLLSAFYDVDFLCKTEKSLANLNLNMLDKKAVGTPVAAAPSSGFAPGFLRRHSASNLHALAHPAPS
 PGSCSPKFPGAANGSSCGSAAAGGPTSYGTLKEPSGGGTALLNKENKFRDRSFSNGDRSQHLLHLQQQ
 QKGGGGSQINSTRYKTELCRPFESGTCKYGEKCQFAHGFHELRLSLTRHPKYKTELCRTFHTIGFCPYGP
 RCHFIHNADERRPAPSGGASGDLRAFGTRDALHLGFPREPRPKLHHSLSFSGFSPGHQPPGGLESPLLL
 DSPTSRTPPPPSCSSASSSSASSSSASAASTPSGAPTCCASAAAAAALLYGTGAEDLLAPGAPC
 AACSSASCANNAFAFGPELSSLITPLAIQTHNFAAVAAAAYYRSQQQQQQGLAPPAQPPAPPSATLPAG
 AAAPPSPFQQLPRRLSDSPVFDAPPSPDLSDRDSYLSGSLSSGSLSGSESPSLDPGRRLPIFSRLS
 ISDD

TRTRPLE - GFP Tag - V

Restriction Sites: AscI-MluI

Cloning Scheme:



ACCN: NM_006887

ORF Size: 1482 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

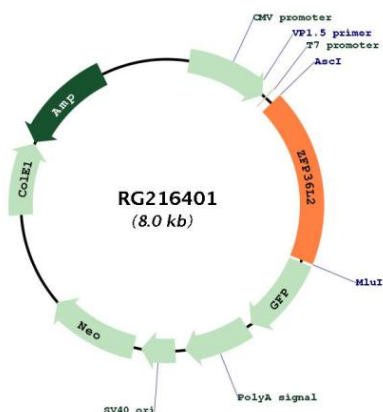
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_006887.5</u>
RefSeq Size:	3702 bp
RefSeq ORF:	1485 bp
Locus ID:	678
UniProt ID:	<u>P47974</u>
Cytogenetics:	2p21
Domains:	zf-CCCH, Tis11B_C
Protein Families:	Transcription Factors
Gene Summary:	This gene is a member of the TIS11 family of early response genes. Family members are induced by various agonists such as the phorbol ester TPA and the polypeptide mitogen EGF. 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. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG216401