

Product datasheet for **RG232615**

T (NM_001270484) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: T (NM_001270484) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: T
Synonyms: SAVA; T; TFT
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG232615 representing NM_001270484
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCTCCCCTGGCACCAGAGCGCGGGAAAGAGCCTGCAGTACCGAGTGGACCACCTGCTGAGCGCCG
 TGGAGAATGAGCTGCAGGCGGGCAGCGAGAAGGGCGACCCACAGAGCGGAACTGCGCGTGGGCCCTGGA
 GGAGAGCGAGCTGTGGCTGCGCTTCAAGGAGCTACCAATGAGATGATCGTGACCAAGAACGGCAGGAGG
 ATGTTTCCGGTGTGAAGGTGAACGTGTCTGGCCTGGACCCCAACGCCATGTACTCCTTCTGCTGGACT
 TCGTGGCGGGGACAACCACCGCTGGAAGTACGTGAACGGGGAATGGGTGCCGGGGGCAAGCCGGAGCC
 GCAGGCGCCAGCTGCGTCTACATCCACCCGACTCGCCAACTTCGGGGCCCACTGGATGAAGGCTCCC
 GTCTCCTTCAGCAAAGTCAAGCTCACCAACAAGCTCAACGGAGGGGGCCAGATCATGCTGAACTCCTTGC
 ATAAGTATGAGCCTCGAATCCACATAGTGAGAGTTGGGGTCCACAGCGCATGATCACCAGCCACTGCTT
 CCCTGAGACCCAGTTCATAGCGGTGACTGCTTATCAGAACGAGGAGATCACAGCTCTTAAATTAAGTAC
 AATCCATTTGCAAAGCTTTCCTTGATGCAAAGGAAAGAAGTATCACAAGAGATGATGGAGGAACCCG
 GAGACAGCCAGCAACCTGGTACTCCCAATCCTATTCTGACAACCTCACCTGCATGTTATCCATGCTGCA
 ATCCCATGACAATTGGTCCAGCCTTGAATGCCTGCCATCCCAGCATGCTCCCCGTGAGCCACAATGCC
 AGCCCACCTACCAGTCCAGTACAGTACCCAGCCTGTGGTCTGTGAGCAACGGCGCGTCAACCCGGGCT
 CCCAGGCAGCAGCGTGTCCAACGGGCTGGGGGCCAGTTCCTCCGGGGCTCCCCCGCGCACTACACACC
 CCTCACCCATCCGGTCTCGGCGCCCTTCTCCTCGGATCCCCACTGTACGAAGGGGCGGCCGCGCCACA
 GACATCGTGGACAGCCAGTACGACGCCGAGCCCAAGGCCGCTCATAGCCTCATGGACACCTGTGTGCG
 CACCTTCCATG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232615 representing NM_001270484
 Red=Cloning site Green=Tags(s)

MSSPGTESAGKSLQYRVDHLLSAVENELQAGSEKGDPTERELRVGLEESELWLRFKELTNEMIVTKNGRR
 MFPVLKVNVSGLDPNAMYSFLLDFVAADNHRWKYVNGEWVPGKPEPQAPSCVYIHPDSPNFGAHWMKAP
 VSF SKVKLTNKLNGGGQIMLNSLHKYEPRIHIVRVGGPQRMITSHCFPETQFI AVTAYQNEEITALKIKY
 NPF AKAFLDAKERSDHKEMMEEPGDSQQPGYSQSYSDNSPAQLSMLQSHDNWSSLGMPAHP SMLPVSHNA
 SPPTSSSQYPSLWSVSNGAVTPGSQAAA VSNGLGAQFFR GSPAHYTPLTHPV SAPSSSGSPLYEGAAAAT
 DIVDSQYDAAAQGR LIA SWTPVSPPSM

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2674_f09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001270484

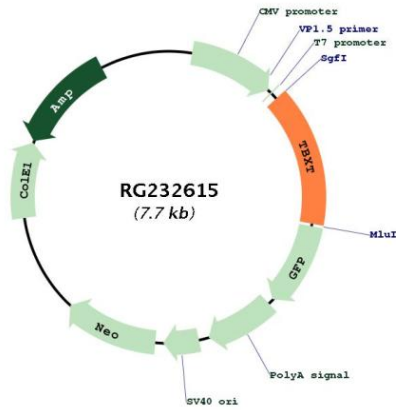
ORF Size: 1131 bp

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:	<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_001270484.2
RefSeq Size:	2233 bp
RefSeq ORF:	1134 bp
Locus ID:	6862
UniProt ID:	O15178
Cytogenetics:	6q27
Protein Families:	ES Cell Differentiation/IPS, Transcription Factors
Gene Summary:	The protein encoded by this gene is an embryonic nuclear transcription factor that binds to a specific DNA element, the palindromic T-site. It binds through a region in its N-terminus, called the T-box, and effects transcription of genes required for mesoderm formation and differentiation. The protein is localized to notochord-derived cells. Variation in this gene was associated with susceptibility to neural tube defects and chordoma. A mutation in this gene was found in a family with sacral agenesis with vertebral anomalies. [provided by RefSeq, Sep 2018]

Product images:



Circular map for RG232615