

Product datasheet for RC232615

T (NM_001270484) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: T (NM_001270484) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: T
Synonyms: SAVA; T; TFT
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC232615 representing NM_001270484
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCTCCCCTGGCACCAGAGCGCGGGAAAGAGCCTGCAGTACCGAGTGGACCACCTGCTGAGCGCCG
 TGGAGAATGAGCTGCAGGCGGGCAGCGAGAAGGGCGACCCACAGAGCGGAACTGCGGTGGGCCCTGGA
 GGAGAGCGAGCTGTGGCTGCGCTTCAAGGAGCTACCAATGAGATGATCGTGACCAAGAACGGCAGGAGG
 ATGTTTCCGGTGTGAAGGTGAACGTGTCTGGCCTGGACCCCAACGCCATGTACTCCTTCTGCTGGACT
 TCGTGGCGGGGACAACCACCGCTGGAAGTACGTGAACGGGGAATGGGTGCCGGGGGCAAGCCGGAGCC
 GCAGGCGCCAGCTGCGTCTACATCCACCCGACTCGCCAACTTCGGGGCCACTGGATGAAGGCTCCC
 GTCTCCTTCAGCAAAGTCAAGCTCACCAACAAGCTCAACGGAGGGGGCCAGATCATGCTGAACTCCTTGC
 ATAAGTATGAGCCTCGAATCCACATAGTGAAGTGGGGTCCACAGCGCATGATCACCAGCCACTGCTT
 CCCTGAGACCCAGTTCATAGCGGTGACTGCTTATCAGAACGAGGAGATCACAGCTCTTAAATTAAGTAC
 AATCCATTTGAAAAGCTTTCCTTGATGCAAAGGAAAGAAGTATCACAAGAGATGATGGAGGAACCCG
 GAGACAGCCAGCAACCTGGTACTCCCAATCCTATTCTGACAACCTCACCTGCATGTTATCCATGCTGCA
 ATCCCATGACAATTGGTCCAGCCTTGAATGCCTGCCATCCCAGCATGCTCCCCGTGAGCCACAATGCC
 AGCCCACCTACCAGTCCAGTACAGTACCCAGCCTGTGGTCTGTGAGCAACGGCGCGTCAACCCGGGCT
 CCCAGGCAGCAGCGTGTCCAACGGGCTGGGGGCCAGTTCCTCCGGGGCTCCCCCGCGACTACACACC
 CCTCACCCATCCGGTCTCGGCGCCCTTCTCCTCGGATCCCCACTGTACGAAGGGGCGGCCGCGCCACA
 GACATCGTGGACAGCCAGTACGACGCCGAGCCCAAGGCCCTCATAGCCTCATGGACACCTGTGTGCG
 CACCTTCCATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC232615 representing NM_001270484
 Red=Cloning site Green=Tags(s)

MSSPGTESAGKSLQYRVDHLLSAVENELQAGSEKGDPTERELRVGLEESELWLRFKELTNEMIVTKNGRR
 MFPVLKVNVSGLDPNAMYSFLDDFVAADNHRWKYVNGEWVPGKPEPQAPSCVYIHPDSPNFGAHWMKAP
 VSF SKVKLTNKLNGGGQIMLNSLHKYEPRIHIVRVGGPQRMITSHCFPETQFIAVTAYQNEEITALKIKY
 NPF AKAFLDAKERSDHKEMMEEPGDSQQPGYSQSYSDNSPAQLSMLQSHDNWSSLGMPAHP SMLPVSHNA
 SPPTSSSQYPSLWSVSNGAVTPGSQAAA VSNGLGAQFFFRGSPAHYTPLTHPVSAPSSSGSPLYEGAAAAT
 DIVDSQYDAAAQGRLLIASWTPVSPSPM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3099_e12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001270484

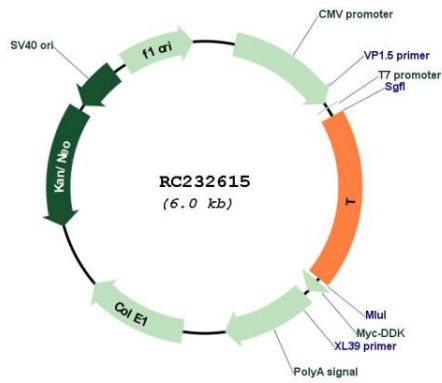
ORF Size: 1131 bp

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
MW:	41.1 kDa
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 RC232615