

Product datasheet for **SC316327**

Tcl1 (TCL1A) (NM_001098725) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcl1 (TCL1A) (NM_001098725) Human Untagged Clone
Tag:	Tag Free
Symbol:	Tcl1
Synonyms:	TCL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for NM_001098725 edited</p> <p>ATGGCCGAGTGCCCGACACTCGGGGAGGCAGTCACCGACCACCGACCGCCTGTGGGCC</p> <p>TGGGAGAAGTTCTGTATTTGGACGAGAAGCAGCACGCCTGGCTGCCCTTAACCATCGAG</p> <p>ATAAAGGATAGGTTACAGTTACGGGTGCTCTTGCCTCGGGAAGACGTCGTCCTGGGGAGG</p> <p>CCTATGACCCCCACCCAGATAGGCCCAAGCCTGCTGCCTATCATGTGGCAGCTCTACCCT</p> <p>GATGGACGATACCGATCCTCAGACTCCAGTTTCTGGCGCTTAGTGTACCACATCAAGATT</p> <p>GACGGCGTGGAGGACATGCTTCTCGAGCTGCTGCCAGATGACTGA</p>
Restriction Sites:	Please inquire
ACCN:	NM_001098725
Insert Size:	350 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).


[View online »](#)

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_001098725.1](#), [NP_001092195.1](#)

RefSeq Size: 1405 bp

RefSeq ORF: 345 bp

Locus ID: 8115

UniProt ID: [P56279](#)

Cytogenetics: 14q32.13

Protein Families: Druggable Genome

Gene Summary: Overexpression of the TCL1 gene in humans has been implicated in the development of mature T cell leukemia, in which chromosomal rearrangements bring the TCL1 gene in close proximity to the T-cell antigen receptor (TCR)-alpha (MIM 186880) or TCR-beta (MIM 186930) regulatory elements (summarized by Virgilio et al., 1998 [PubMed 9520462]). In normal T cells TCL1 is expressed in CD4-/CD8- cells, but not in cells at later stages of differentiation. TCL1 functions as a coactivator of the cell survival kinase AKT (MIM 164730) (Laine et al., 2000 [PubMed 10983986]).[supplied by OMIM, Jul 2010]

Transcript Variant: This variant (2) uses an alternate splice site in the 3' UTR, compared to variant 1. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.