

## Product datasheet for **RC237494**

### TAL1 (NM\_001287347) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TAL1 (NM\_001287347) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TAL1  
**Synonyms:** bHLHa17; SCL; tal-1; TCL5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC237494 representing NM\_001287347  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCGAGCGGCCGCCGAGCGAGGCGGCTCGCAGTGACCCCGCTAGAGGGACGGGACGCGGCCGAGG  
CCAGCATGGCCCCCGCACCTGGTCTGCTGAACGGCGTCGCCAAGGAGACGAGCCGCGGCCGCGCAGC  
GGAGCCCCAGTCATCGAACTGGCGCGCGGGAGGCCCGGGGGCGGCCCTGCCGGTGGGGCGGCCG  
GCGAGAGACTTAAAGGGCCGCGACGCGGCGACGGCCGAAGCGCGCATCGGGTCCACCACCGAGCTGT  
GCAGACCTCCCGGCCCGCCCCGCGCCCGCCTCGGTTACAGCGGAGCTGCCCGCGACGCGCCG  
CATGGTGCAGCTGAGTCCTCCCGCGCTGGCTGCCCGCGCCCGCCGCGCGCTGCTTACAGCCTC  
AGCCAGCCGCTGGCCTCTCTCGGCAGCGGGTCTTTGGGAGCCGGATGCCTTCCCTATGTTACACCA  
ACAATCGAGTGAAGAGGAGACCTTCCCCCTATGAGATGGAGATTACTGATGGTCCCCACACCAAAGTTGT  
GCGGCGTATCTTCAACAACAGCCGGGAGCGATGGCGGCAGCAGAATGTGAACGGGGCCTTTGCCGAGCTC  
CGCAAGCTGATCCCCACACATCCCCGGACAAGAAGCTCAGCAAGAATGAGATCTCCGCTGGCCATGA  
AGTATATCAACTTCTTGGCCAAGCTGCTCAATGACCAGGAGGAGGAGGCCACCCAGCGGGCAAGACTGG  
CAAGGACCCTGTGGTGGGGCTGGTGGGGTGGAGGTGGGGGAGGGGTGGCGCGCCCCAGATGACCTC  
CTGCAAGACGTGCTTTCCCCAACTCCAGCTGCGGCAGCTCCTGGATGGGGCAGCCAGCCCGGACAGT  
ACACGGAGGAGCCCGCCCAAGCACACGCGCCCGCAGCCTCCATCCTGCCATGCTGCCTGCCCGCATGG  
AGCCGGCCCTCGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RC237494 representing NM\_001287347  
 Red=Cloning site Green=Tags(s)

MTERPPSEAAARSDPQLEGRDAAEASMAPPHLVLLNGVAKETSRAAAAEPVIELGARGGPGGGPAGGGGA  
 ARDLKGRDAATAEARHRVPTTELCRPPGPAPAPASVTAELPGDGRMVQLSPPALAAPAPGRALLYSL  
 SQPLASLGSFGFGEPAFPMFTTNNRVKRRPSPYEMEITDGPHTKVRRIF TNSRERWRQQNVNGAF AEL  
 RKLIPTHPPDKLSKNEILRLAMKYINFLAKLLNDQEEEGTQRAKTGKDPVVGAGGGGGGGGGGAPPDDL  
 LQDVLSPNSSCGSSLDGAASPSYTEEPAPKHTARSLHPAMLPAAADGAGPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mg2981\\_g12.zip](https://cdn.origene.com/chromatograms/mg2981_g12.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001287347

**ORF Size:** 993 bp

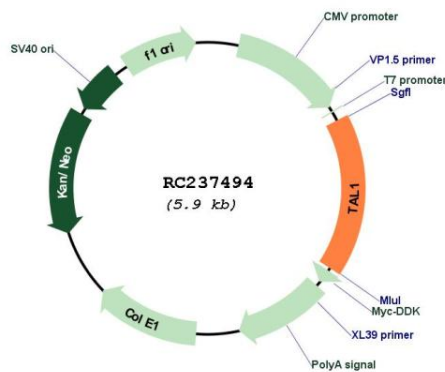
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001287347.2</a> , <a href="#">NP_001274276.1</a>
<b>RefSeq Size:</b>	4664 bp
<b>RefSeq ORF:</b>	996 bp
<b>Locus ID:</b>	6886
<b>UniProt ID:</b>	<a href="#">P17542</a>
<b>Cytogenetics:</b>	1p33
<b>Protein Families:</b>	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors
<b>MW:</b>	34.3 kDa
<b>Gene Summary:</b>	Implicated in the genesis of hemopoietic malignancies. It may play an important role in hemopoietic differentiation. Serves as a positive regulator of erythroid differentiation (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RC237494