

## Product datasheet for **RC236256**

### TAL1 (NM\_001290406) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TAL1 (NM\_001290406) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TAL1  
**Synonyms:** bHLHa17; SCL; tal-1; TCL5  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC236256 representing NM\_001290406  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTACCACCAACAATCGAGTGAAGAGGAGACCTTCCCCTATGAGATGGAGATTACTGATGGTCCCC  
ACACCAAAGTTGTGCGCGTATCTTACCAACAGCCGGGAGCGATGGCGGCAGCAGAATGTGAACGGGGC  
CTTTGCCGAGCTCCGCAAGCTGATCCCCACACATCCCCCGACAAGAAGCTCAGCAAGAATGAGATCCTC  
CGCTGGCCATGAAGTATATCAACTTCTTGCCAAGCTGCTCAATGACCAGGAGGAGGGGCACCCAGC  
GGGCAAGACTGGCAAGGACCCTGTGGTGGGGGCTGGTGGGGGTGGAGGTGGGGGAGGGGGCGGCCGCC  
CCCAGATGACCTCCTGCAAGACGTGCTTCCCCCAACTCCAGCTGCGGCAGCTCCCTGGATGGGGCAGCC  
AGCCCGGACAGCTACACGGAGGACCCGCGCCCAAGCACAGGCCCGCAGCCTCCATCCTGCCATGCTGC  
CTGCCCGCATGGAGCCGGCCCTCGG

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC236256 representing NM\_001290406  
Red=Cloning site Green=Tags(s)

MFTTNNRVKRRSPYEMEITDGPHTKVVRRIFTNSRERWRQNVNGAFAELRKLIPHTPPDKKLSKNEIL  
RLAMKYINFLAKLLNDQEEEGTQRAKTGKDPVVGAGGGGGGGGAPPDDLQDVLSPNSSCGSSLDGAA  
SPDSYTEEPAPKHTARSLHPAMPLPAADGAGPR

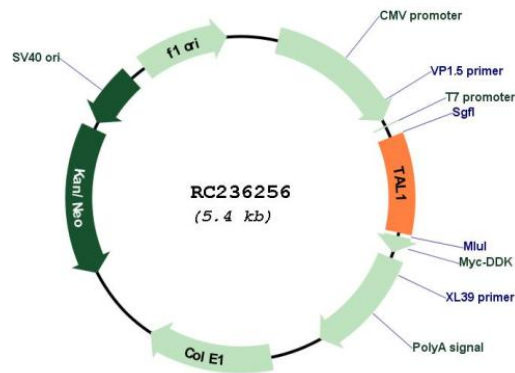
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001290406

**ORF Size:** 516 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.

<b>Components:</b>	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_001290406.2</a>
<b>RefSeq Size:</b>	4171 bp
<b>RefSeq ORF:</b>	519 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>	19 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]