

## Product datasheet for SC118121

### TAL1 (NM\_003189) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TAL1 (NM_003189) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAL1
Synonyms:	bHLHa17; SCL; tal-1; TCL5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003189, the custom clone sequence may differ by one or more nucleotides

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ATGACCGAGCGGGCCGCCGAGCGAGGCGGCTCGCAGTGACCCCGAGCTAGAGGGACGGGACGCGGGCCGAGG
CCAGCATGGCCCCCGCACCTGGTCTGCTGAACGGCGTCGCCAAGGAGACGAGCCGCGCGGCCGAGC
GGAGCCCCAGTCATCGAACTGGGCGCGCGGAGGCCCGGGGGCGGCCCTGCCGGTGGGGCGGCGCC
GCGAGAGACTTAAGGGCCGCGACGCGGCGACGGCCGAAGCGCGCCATCGGGTGCCACCACCGAGCTGT
GCAGACCTCCCGGGCCCGCCCGCCCGCGCCCGCTCGGTTACAGCGGAGCTGCCCGGCGACGGCCG
CATGGTGCAGCTGAGTCTCCCGCGCTGGCTGCCCGCCCGCCCGGCCGCGCGCTGCTCTACAGCCTC
AGCCAGCCGCTGGCCTCTCTCGGCAGCGGGTTCTTTGGGAGCCGGATGCCTTCCCTATGTTCAACCA
ACAATCGAGTGAAGAGGAGACCTTCCCCATGAGATGGAGATTACTGATGGTCCCCACACCAAAGTTGT
GCGGCGTATCTTCAACAACAGCCGGGAGCGATGGCGGCAGCAGAATGTGAACGGGGCCTTTGCCGAGCTC
CGCAAGCTGATCCCCACACATCCCCGGACAAGAAGCTCAGCAAGAATGAGATCCTCCGCCTGGCCATGA
AGTATATCAACTTCTTGGCCAAGCTGCTCAATGACCAGGAGGAGGGCACCCAGCGGGCCAAGACTGG
CAAGGACCCTGTGGTGGGGGCTGGTGGGGTGGAGGTGGGGGAGGGGGCGGCGCGCCCCAGATGACCTC
CTGCAAGACGTGCTTTCCCCAACTCCAGCTGCGGCAGCTCCCTGGATGGGGCAGCCAGCCCGGACAGCT
ACACGGAGGAGCCCGCCCAACACACGGCCCCGAGCCTCCATCCTGCCATGCTGCCTGCCCGCATGG
AGCCGGCCCTCGGTGA

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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_003189 unedited</p> <pre>TCCCCCGCCCCGTTGNCGCATTGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCA GAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCGA ATTCGGCACGAGGGGGCGTGTGTCAGAGCGGCATCCGCTTGTCTGTCTGTCTGCCACAG GATGACCGAGCGGCCGCCGAGCGAGGCGGCTCGCAGTGACCCCAAGCTAGAGGGACGGGA CGCGGCCGAGGCCAGCATGGCCCCCGCACCTGGTCTGCTGAACGGCGTCGCCAAGGA GACGAGCCGCGCGGCCGAGCGGAGCCCCAGTCATCGAACTGGGCGCGCGCGGAGGCC GGNGGGCGGCCCTGCCGTTGGGGCGGCCGCCGAGAGACTTAAAGGGCCCTGACGCGGT GACGGTGAATCGCGCCATCGGGTGCCCCCACGAGCTGCGCAGACTTCCCGGCCCGC CCCGGTCCCCGCGCCGCTCCGCTCCCGCATCTTCTTTTTGACGTCTTTTTGTCT TCCCACCGCCCCCGCGGCTCCCCCTCCCTTCTTCTCCCTTCTTCCCCCTCT CCCCCTCTCCACTTCTTTTTCTCCCTCTCTTTTTCCCCCTCTCCCTTCCCTCT TCCCTCTCTCCATTCTACCTCTCCTTCTTCTTATCTCCCCCTCCCTCCCTCCCTC ATTTTTCTCCCCCTTCTCTCTATTCCTTCCCTTCTTTTTCTTCTTCCACTC CCCCATTACCCTANTCTCAATTTTTTCCCTGCACCCCATCCCCCTTACTTGGCTCTA CCTTACCCACCCGCCACCGTCCCCTCCCCTTCTTCCCCCTCTTTCCCTC GTTCTCTCTTCTTTCCCCCTCCCTACACCTTTCCCCCGTCCGCGGCTCACACCC TCTTCTCTCTTCCGTCGCGCACTCCCTCATTCTTT</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_003189 unedited</p> <pre>ATCTNCCCGTAACATCCTCACATATATAGACACATCATCACCACATGGGTTTTTTTTGCT AAAGAGTCACACACCCACAGTGTGGCCTCTGGGCTGTACAAAGGTCAAGGTACCTGGAG CGGTTACTCTCTTCTGCAGAAAAATGCAGAGACCAACGCAATTCATCACATACAGTACA ACGTTGACGGAAGTGCTGGGCCGCCACAGAAACAATGCACTATGTACACGGGACGGG GGCAAGTCTTTCAGCAGAGGGTACGTACCATCGAAATCAAAAGTACGGCCAGACCACCC CCAAAAGGCCGAAATAGTTGTGGCTGACTACAGATGCTGTGCCCTTTGTTTTATTTGG AAAAGAATAAAGGTTGTACCATCTTGTCTATCTGCCATAACAAATAAAGAATATGAATTT GTCTTAAAGATGTGATTCCTTTCAGTGGTTATGGTCACTTTGTTCTCAAAATGTTGTT TTGTTTTGTTTTACCTTATGTTCTTCCCCTTGTACAGATGCTATTCTTGGAAATGTTG CCAGTTTTTCATGGGTAAACAAGGAAGGAGAGGAAGGATAAGGTCATGGGTACAGAGGT GAAAATAAAAATTACAGATCTTCTTATGTTCTTACAAAGACCTAAAGACTTGCCTTTCC TACCAGGCTTGTGTTGGGTAGTTGCATTACATTTTACACAGTCTGCCAGTGTCCCATAT CTTTTTCCATTCTTATTACTGTCCCTGGCCTTGAACAAGATAGAAATTAANGACATCT GGGCTGGGTGCAATGGCTGACACCTGTGATCCCAGTGCTTCTGGAGGCAAAGGCAGGAGA ATTTGCCTG</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003189
<b>Insert Size:</b>	4700 bp
<b>OTI Disclaimer:</b>	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).
<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_003189.1</a> , <a href="#">NP_003180.1</a>
<b>RefSeq Size:</b>	5000 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>Domains:</b>	HLH
<b>Protein Families:</b>	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Variants 1, 2, 3, 4 and 5 encode the same isoform 1. Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>