

Product datasheet for RC237497

TAL1 (NM_001290405) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAL1 (NM_001290405) 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:	>RC237497 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

RCATGACCGAGCGGCCGCCGAGCGAGGCGGCTCGCAGTGACCCCCAGCTAGAGGGACGGGACGCGGCCGA
GGCCAGCATGGCCCCCGCACCTGGTCTGCTGAACGGCGTCGCAAGGAGACGAGCCGCGGCCGCA
GCGGAGCCCCAGTCATCGAACTGGGCGCGCGGAGGCCCGGGGGCGGCCCTGCCGTGGGGCGGCG
CCGCGAGAGACTTAAAGGGCCGCGACGCGGCGACGGCCGAAGCGCGCCATCGGTGCCACCACCGAGCT
GTGCAGACCTCCGGGCCCGCCCGGCCCGCCCGCTCGGTTACAGCGGAGCTGCCGGCGACGGC
CGCATGGTGCAGCTGAGTCTCCCGCGCTGGCTGCCCGCCCGCCCGCCCGCGCGCTGCTTACAGCC
TCAGCCAGCCGCTGGCCTCTCTCGGCAGCGGTTCTTTGGGGAGCCGGATGCCTTCCCTATGTTCCACC
CAACAATCGAGTGAAGAGGAGACCTTCCCCCTATGAGATGGAGATTACTGATGGTCCCCACACAAAGTT
GTGCGGCGTATCTTACCAACAGCCGGGAGCGATGGCGGCAGCAGAATGTGAACGGGGCCTTTGCCGAGC
TCCGCAAGCTGATCCCCACACATCCCCGGACAAGAAGCTCAGCAAGAATGAGATCTCCGCTGGCCAT
GAAGTATATCAACTTCTTGGCCAAGCTGCTCAATGACCAGGAGGAGGAGGGCACCCAGCGGGCCAAGACT
GGCAAGGACCCCTGTGGTGGGGCTGGTGGGGTGGAGTGGGGGAGGGGTGGCGGCCCGCCAGATGACC
TCCTGCAAGACGTGCTTTCCCCAACTCCAGCTGCGGCAGCTCCCTGGATGGGGCAGCCAGCCCGGACAG
CTACACGGAGGACCCCGCCCAAGCACACGGCCCGCAGCCTCCATCTGCCATGCTGCCCGCCGAT
GGAGCCGGCCCTCGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC237497 protein sequence
Red=Cloning site Green=Tags(s)

X*PSGRRARRLAVTPS*RDGTRPRPAWPPRTWSC*TASPRRRAARPQRSPQSSNWARAEARGAALPVGAA
 PRET*RAATRRRPKRAIGCPPSCADLPGPPRPPRPPRLQRSCPATAAWCS*VLPRWLPPPPAARCSTA
 SASRWPLSAAGSLGSRMPSLCSPTTIE*RGDLPPMRWLLMVPTPKLCGVSSPTAGSDGGSRM*TGPLPS
 SAS*SPHIPRTRSSARMRSSAWP*SISTSWPSCSMTRRRRAPSGPRLARTLWWGLVGVEVGEGVARPQMT
 SCKTCFPPTAAAAAPWMGQPARTATRRSPRPSTRPAASILPCCLPPMEPAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2981_g12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001290405

ORF Size: 993 bp

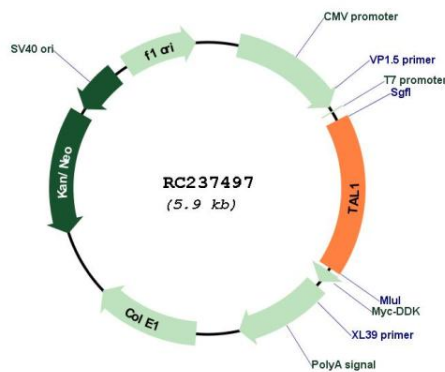
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially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

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_001290405.1 , NP_001277334.1
RefSeq Size:	4647 bp
RefSeq ORF:	996 bp
Locus ID:	6886
UniProt ID:	P17542
Cytogenetics:	1p33
Protein Families:	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors
MW:	34.3 kDa
Gene Summary:	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 RC237497