OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC237495

TAL1 (NM_001290403) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAL1 (NM_001290403) 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:

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>RC237495 representing NM_001290403.
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCGAGCGGCCGCCGAGCGAGGCGGCTCGCAGTGACCCCCAGCTAGAGGGACGGGACGCGGCCGAG
GCCAGCATGGCCCCCCCGCACCTGGTCCTGCTGAACGGCGTCGCCAAGGAGACGAGCCGCGCGGCCGCA
GCGGAGCCCCCAGTCATCGAACTGGGCGCGCGCGGAGGCCCGGGGGGCGGCCCTGCCGGTGGGGGCGGC
GCCGCGAGAGACTTAAAGGGCCGCGACGCGGCGACGGCCGAAGCGCGCCATCGGGTGCCCACCACCGAG
CTGTGCAGACCTCCCGGGCCCGCCCCGGCCCCCGCGCCCGCCTCGGTTACAGCGGAGCTGCCCGGCGAC
GGCCGCATGGTGCAGCTGAGTCCTCCCGCGCTGGCTGCCCCCGCCGCCCCCGGCCGCGCGCTGCTCTAC
AGCCTCAGCCAGCCGCTGGCCTCTCTCGGCAGCGGGTTCTTTGGGGAGCCGGATGCCTTCCCTATGTTC
ACCACCAACAATCGAGTGAAGAGGAGACCTTCCCCCTATGAGATGGAGATTACTGATGGTCCCCACACC
AAAGTTGTGCGGCGTATCTTCACCAACAGCCGGGAGCGATGGCGGCAGCAGAATGTGAACGGGGCCTTT
GCCGAGCTCCGCAAGCTGATCCCCACACATCCCCCGGACAAGAAGCTCAGCAAGAATGAGATCCTCCGC
CTGGCCATGAAGTATATCAACTTCTTGGCCAAGCTGCTCAATGACCAGGAGGAGGAGGGCACCCAGCGG
GCCAAGACTGGCAAGGACCCTGTGGTGGGGGCTGGTGGGGGTGGAGGTGGGGGAGGGGGTGGCGCGCCC
CCAGATGACCTCCTGCAAGACGTGCTTTCCCCCAACTCCAGCTGCGGCAGCTCCCTGGATGGGGCAGCC
AGCCCGGACAGCTACACGGAGGAGCCCGCGCCCAAGCACACGGCCCGCAGCCTCCATCCTGCCATGCTG
CCTGCCGCCGATGGAGCCGGCCCTCGG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Protein Sequence:

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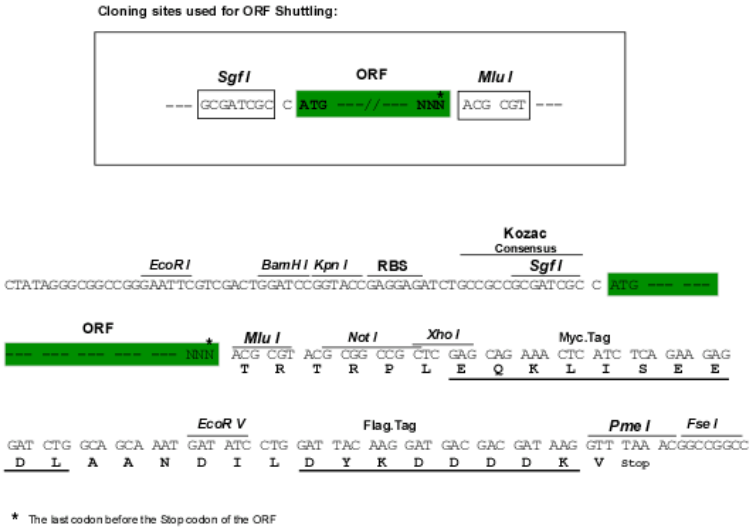
>Peptide sequence encoded by RC237495
Blue=ORF Red=Cloning site Green=Tag(s)

MTERPPSEAARSDPQLEGRDAAEASMAPPHLVLLNGVAKETSRAAAAEPPVIELGARGGPGGGPAGGGG
AARDLKGRDAATAEARHRVPTTELCRPPGPAPAPAPASVTAELPGDGRMVQLSPPALAAPAAPGRALLY
SLSQPLASLGSGFFGEPDAFPMFTTNNRVKRRPSPYEMEITDGPHTKVVRRIFTNSRERWRQQNVNGAF
AELRKLIPTHPPDKKLSKNEILRLAMKYINFLAKLLNDQEEEGTQRAKTGKDPVVGAGGGGGGGGGGAP
PDDLLQDVLSPNSSCGSSLDGAASPDSYTEEPAPKHTARSLHPAMLPAADGAGPR
TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

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

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001290403

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).

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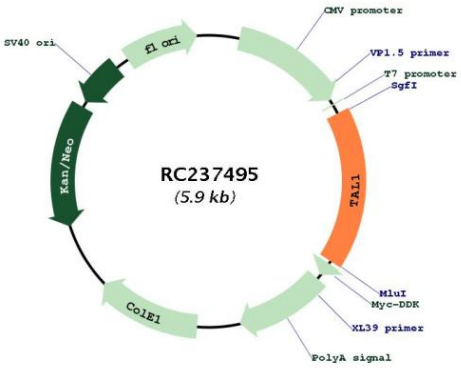
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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 Size:	4774 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 RC237495

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