

Product datasheet for **RG237497**

TAL1 (NM_001290405) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | TAL1 (NM_001290405) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | TAL1 |
| Synonyms: | bHLHa17; SCL; tal-1; TCL5 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG237497 representing NM_001290405. Blue=ORF Red=Cloning site Green=Tag(s) |

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGACCGAGCGGCCGCCGAGCGAGGCGGCTCGCAGTGACCCCGAGCTAGAGGGACGGGACGCGGCCGAG
GCCAGCATGGCCCCCGCACCTGGTCCTGCTGAACGGCGTCGCCAAGGAGACGAGCCGCGCGGCCGCA
GCGGAGCCCCAGTCATCGAACTGGGCGCGCGGAGGCCGGGGGGCGCCCTGCCGTTGGGGCGGC
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CTGTGCAGACCTCCGGGCCCGCCCGCCCGCCCGCTCGGTTACAGCGGAGCTGCCCGGCGAC
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AGCCTCAGCCAGCCGCTGGCCTCTCTCGGCAGCGGTTCTTTGGGAGCCGGATGCCTTCCCTATGTTC
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GCCGAGCTCCGCAAGCTGATCCCCACACATCCCCGGACAAGAAGCTCAGCAAGAATGAGATCCTCCGC
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GCCAAGACTGGCAAGGACCCTGTGGTGGGGCTGGTGGGGTGGAGGTGGGGGAGGGGTGGCGCCCC
CCAGATGACCTCCTGCAAGACGTGCTTTCCCCAACTCCAGCTGCGGCAGCTCCTGGATGGGGCAGCC
AGCCCCGACAGCTACACGGAGGAGCCCGGCCAAGCACACGGCCCGCAGCCTCCATCCTGCCATGCTG
CCTGCCGCGATGGAGCCGCCCTCGG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237497
 Blue=ORF Red=Cloning site Green=Tag(s)

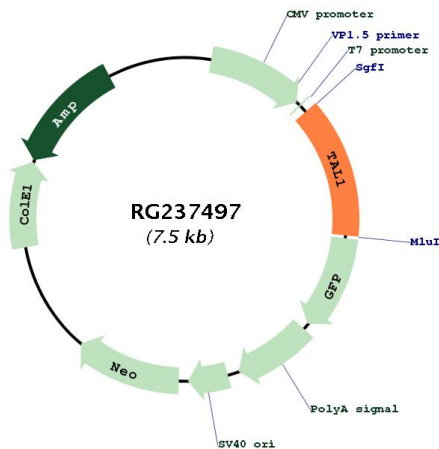
MTERPPSEAAARSDPQLEGRDAAEASMAPPHLVLLNGVAKETSRAAAAEPPIELGARGGPGGGPAGGGG
 AARDLKGRDAATAEARHRVPTTELCRPPGPAPAPAPASVTAELPGDGRMVQLSPPALAAPAAGRALLY
 SLSQPLASLGSFFGEPDAFPMFTTNNRVKRRSPYEMETDGPHTKVVRRIFTNSRERWRQNVNGAF
 AELRKLIPTHPPDKKLSKNEILRLAMKYINFLAKLLNDQEEEGTQRAKTGKDPVVGAGGGGGGGGGAP
 PDDLQDVLSPNSSCGSSLDGAASPDSYTEEPAPKHTARSLHPAMLPAADGAGPR
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290405

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| 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). |
| 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] |