

Product datasheet for **MG204834**

Tal1 (NM_011527) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tal1 (NM_011527) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tal1
Synonyms: bHLHa17; Hpt; Scl; SCL/tal-1; tal-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204834 representing NM_011527
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACGGAGCGGCCGCCGAGCGAGGCGGCACGCAGTGACCCGCAACTAGAGGGACAGGACGCGGCCGAGG
 CCCGCATGGCCCCCGCACCTAGTCCTGCTCAACGGCGTCGCCAAGGAGACGAGCCGCGCAGCCCCGGC
 TGAGCCCCCGTCATCGAGCTAGGAGCGCGCAGCGCGGGGGGGCGCCCTGCCAGTGGGGCGGTGCC
 GCGAGGGACTTAAAGGGCCGCGACGCAGTAGCAGCCGAAGCTCGCCTTCGGGTGCCACCACCGAGCTGT
 GCAGACCTCCCGACCCCGCCCGCGCCCGCCCGCCTCGGCTCCTGCAGAGCTGCCTGGAGACGCGCC
 CATGGTGCAGCTGAGCCCGCCCGCTGGCAGCCCTGCCGCGCCCGCCGAGCGCTGCTCTATAGCCTT
 AGCCAGCCGCTCGCTCACTAGGCAGTGGGTTCTTTGGGGAACCGGATGCCTTCCCCATGTTACCAACA
 ACAACCGGGTGAAGAGGAGGCCCTCCCCATATGAGATGGAGATTCTGATGGTCCCTCACACCAAAGTAGT
 GCGGCGCATCTTCACCAACAGCCGGGAACGATGGCGGCAGCAGAATGTGAATGGGGCATTGCTGAGCTC
 AGAAAGCTGATCCCCACCCACCCAGACAAGAACTAAGCAAGAATGAGATCCTCCGCTTGCATGA
 AGTACATCAATTCCTGGCAAGTTACTCAATGACCAGGAGGAGGAAGGCACCCAGCGTGCCAAGCCTGG
 CAAGGACCCCGTGGTGGGAGCTGGTGGGGTGGGGCAGGGGTGGCATCCCCCTGAAGACCTTCTACAG
 GACGTGCTTCCCCAACTCCAGCTGTGGCAGCTCTTGATGGGCAGCCAGCCCGGACAGTTACACAG
 AGGAGCCAACACCAAGCACACTTCCCGCAGCTCCATCCTGCCCTGCTGCCTGCCGCTGATGGGGCTGG
 CCCCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204834 representing NM_011527
Red=Cloning site Green=Tags(s)

MTERPPSEAAARSDPQLEGQDAAEARMAPPHLVLLNGVAKETSRAAPAEPPIELGARSGAGGGPASGGGA
 ARDLKGRDAVAEAEARLRVPTTELCRPPGPAPAPASAPAEALPGDGRMVQLSPPALAAPAGPGRALLYSL
 SQPLASLGSFFGEPDAFPMFTNNNRVRRRSPYEMEISDGPHTKVRRIF TNSRERWRQNVNGAF AEL
 RKLIPHTPPDKKLSKNEILRLAMKYINFLAKLLNDQEEGTQRAKPGKDPVVGAGGGGAGGGIPPEDLLQ
 DVLSPNSSCGSSLDGAASPD SYTEEPTPKHTSRSLHPALLPADGAGPR

TRTRPLE - GFP Tag - V

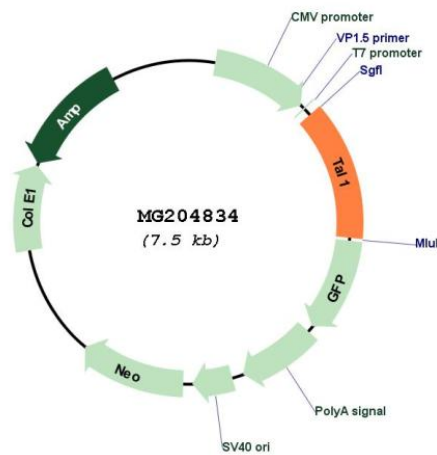
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_011527

ORF Size: 987 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:

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_011527.3](#)

RefSeq Size: 4161 bp

RefSeq ORF: 990 bp

Locus ID: 21349

UniProt ID: [P22091](#)

Cytogenetics: 4 52.73 cM

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. [UniProtKB/Swiss-Prot Function]