

Product datasheet for **MC227061**

Tal1 (NM_001287388) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tal1 (NM_001287388) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tal1
Synonyms: bHLHa17; Hpt; Scl; SCL/tal-1; tal-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227061 representing NM_001287388
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACGGAGCGGCCGCGAGCGAGGCGGCACGCAGTGACCCGCAACTAGAGGGACAGGACGCGGCCGAGG
 CCCGATGGCCCCCGCACCTAGTCTGCTCAACGGCGTCGCCAAGGAGACGAGCCGCGCAGCCCCGGC
 TGAGCCCCCGTCATCGAGCTAGGAGCGCGCAGCGCGCGGGGGCGGCCCTGCCAGTGGGGCGGTGCC
 GCGAGGGACTTAAAGGGCCGCGACGCAGTAGCAGCCGAAGCTCGCCTTCGGGTGCCACCCAGCCTGT
 GCAGACCTCCCGACCCGCCCGCGCCCGCCGCGCCCGCCTCGGCTCCTGCAGAGCTGCCTGGAGACGGCCG
 CATGGTGCAGCTGAGCCCGCCGCGCTGGCAGCCCTGCCGGCCCGGCCGAGCGCTGCTCTATAGCCTT
 AGCCAGCCGCTCGCTCACTAGGCAGTGGGTTCTTTGGGAACCGGATGCCTTCCCCATGTTACCAACA
 ACAACCGGGTGAAGAGGAGGCCCTCCCCATATGAGATGGAGATTTCTGATGGTCTCACACCAAAGTAGT
 GCGGCGCATCTTCAACAACAGCCGGGAACGATGGCGGCAGCAGAATGTGAATGGGCATTTGCTGAGCTC
 AGAAAGCTGATCCCCACCCACCCAGACAAGAACTAAGCAAGAATGAGATCCTCCGCTTGCATGA
 AGTACATCAATTTCTGGCCAAGTTACTCAATGACCAGGAGGGAAGGCACCCAGCGTGCCAAGCCTGG
 CAAGGACCCCGTGGTGGGAGCTGGTGGGGTGGGGCAGGGGTGGCATCCCCCTGAAGACCTTCTACAG
 GACGTGCTTTCCCAACTCCAGCTGTGCAGCTCTCTGGATGGGGCAGCCAGCCGGACAGTTACACAG
 AGGAGCCAACACCAAGCACACTTCCCGCAGCCTCCATCTGCCCTGCTGCTGCCGCTGATGGGCTGG
 CCCCCGTGA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001287388



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Insert Size:	990 bp
OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001287388.1</u> , <u>NP_001274317.1</u>
RefSeq Size:	4254 bp
RefSeq ORF:	990 bp
Locus ID:	21349
UniProt ID:	<u>P22091</u>
Cytogenetics:	4 52.73 cM
Gene Summary:	<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. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) has an alternate 5' UTR exon, compared to variant 1. Both variants 1 and 2 encode the same protein.</p>