

Product datasheet for MR229272

Tal1 (NM_001287388) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tal1 (NM_001287388) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tal1
Synonyms:	bHLHa17; Hpt; Scl; SCL/tal-1; tal-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229272 representing NM_001287388 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGACGGAGCGGCCGCCGAGCGAGGCGGCACGAGTGACCCGCAACTAGAGGGACAGGACGCGGCCGAGG
 CCCGCTATGGCCCCCGCACCTAGTCCTGCTCAACGGCGTCGCCAAGGAGACGAGCCGCGCAGCCCCGGC
 TGAGCCCCCGTCATCGAGCTAGGAGCGCGCAGCGCGCGGGGGCGGCCCTGCCAGTGGGGCGGTGCC
 GCGAGGGACTTAAAGGGCCGCGACGAGTAGCAGCCGAAGCTCGCCTTCGGGTGCCACCCAGCAGCTGT
 GCAGACCTCCCGACCCCGCCCGCGCCCGCGCCCGCTCGGCTCCTGCAGAGCTGCCTGGAGACGCGCG
 CATGGTGCAGCTGAGCCCGCCCGCGCTGGCAGCCCTGCCGCGCCCGGCCGAGCGCTGCTCTATAGCCTT
 AGCCAGCCGCTCGCCTCACTAGGCAGTGGGTTCTTTGGGAACCGGATGCCTTCCCCATGTTACCAACA
 ACAACCGGGTGAAGAGGAGGCCCTCCCCATATGAGATGGAGATTCTGATGGTCTCACACCAAAGTAGT
 GCGGCGCATCTTACCAACAGCCGGAACGATGGCGGCAGCAGAAATGTAATGGGGCATTGCTGAGCTC
 AGAAAGCTGATCCCCACCCACCCAGACAAGAACTAAGCAAGAATGAGATCCTCCGCTTGCATGA
 AGTACATCAATTCCTGGCAAGTTACTCAATGACCAGGAGGAGGAAGGCACCCAGCGTGCCAAGCCTGG
 CAAGGACCCCGTGGTGGGAGCTGGTGGGGTGGGGCAGGGGTGGCATCCCCCTGAAGACCTTCTACAG
 GACGTGCTTTCCCCAACTCCAGCTGTGGCAGCTCTTGATGGGGCAGCCAGCCGACAGTTACACAG
 AGGAGCCAACACCAAGCACACTCCCGCAGCCTCCATCCTGCCTGCTGCCTGCCGCTGATGGGGCTGG
 CCCCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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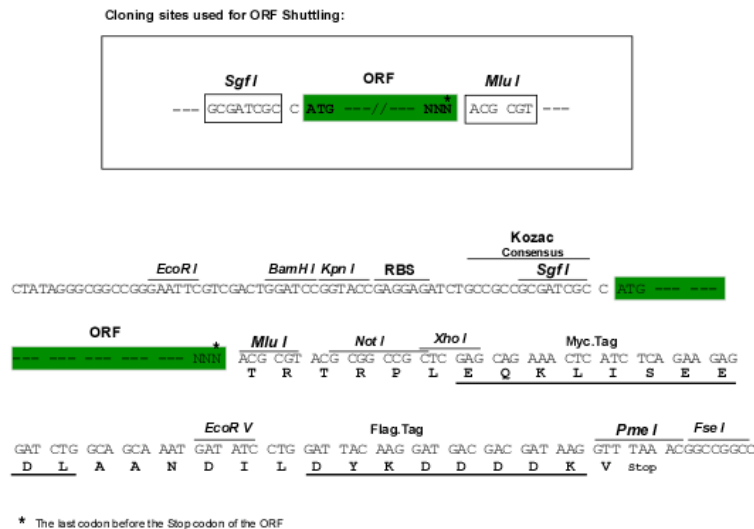
Protein Sequence: >MR229272 representing NM_001287388
 Red=Cloning site Green=Tags(s)

MTERPPSEAAARSDPQLEGQDAAEARMAPPHLVLLNGVAKETRAAPAEPPVIELGARSGAGGGPASGGGA
 ARDLKGRDAVAEAEARLRVPTTELCPGPPAPAPASAPAEALPGDGRMVQLSPPALAAPAGPGRALLYSL
 SQPLASLGSGFFGEPDAFPMFTNNNRVKRRPSPYEMESDGPHTKVVRRIFTNSRERWRQNVNGAFEL
 RKLIPTHPPDKLSKNEILRLAMKYINFLAKLLNDQEEETQRAKPGKDPVVGAGGGGAGGGIPPEDLLQ
 DVLSPNSSCGSSLDGAASPDSTEEPTPKHTSRSLHPALLPAADGAGPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001287388

ORF Size: 987 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:

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_001287388.1](#), [NP_001274317.1](#)

RefSeq Size: 4254 bp

RefSeq ORF: 990 bp

Locus ID: 21349

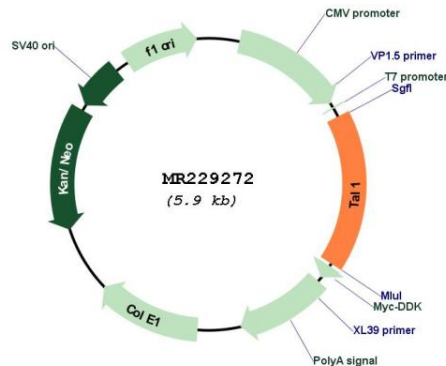
UniProt ID: [P22091](#)

Cytogenetics: 4 52.73 cM

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. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR229272