

## Product datasheet for RR212611

### Tal1 (NM\_001107958) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Tal1 (NM\_001107958) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Tal1  
 Synonyms: Tal-1  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RR212611 representing NM\_001107958  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACGGAGCGGCCGCCGAGCGAGGCGGCACGCAGTGACCCTCAACTAGAGGGCAGGAGGCGGCCGAGG  
 CCCGATGGCCCCCGCACCTAGTCTGCTCAACGGCGTCACCAAGGAAACGAACCGCGCAGCCCCGGC  
 TGAGACCCAGTCATCGAGCTAGGCGCGCGCAGCAGCGCGGGGGCGGCCCGCCGGTGGGGCGGTGCC  
 GCGAGGGACTTAAAGGGCCGCGACGCTGTAGCAACTGAAGCTCGCCATCGGGTGCCACCCAGCAGCTGT  
 GCAGACCTCCCGACCCGCCCGCAGCGCCCGCGCCCGCCTCGGCTCCTGCAGAGCTGCCCGGAGACGCCCG  
 CATGGTGCAGCTGAGCCCGCCCGCTGGCAGCCCGCCGGCCCGGCGAGCGCTGCTCTATAGCCTT  
 AGCCAGCCGCTCGCTCACTAGGCAGTGGGTTCTTCGGGGAACCGGATGCCTTCCCCATGTTACCAACA  
 ACAACCGGTGAAGAGGAGGCCCTCCCCATATGAGATGGAGATAACGGATGGTCCCCACCAAGGTAGT  
 GCGGCGAATCTTACCAACAGCCGGGAGCGATGGAGGCAGCAGAATGTGAATGGGCATTTGCTGAACTC  
 CGAAAGCTGATCCCCACCCATCCACCAGACAAGAAGCTAAGCAAGAATGAGATCCTCCGCTCGCCATGA  
 AGTACATCAATTTCTGGCCAAGTTGCTCAACGACCAGGAGGAGGAAGGCACCCAGCGTGCCAAGCCTGG  
 CAAGGACCCCATGGTGGGAGCTGGTGGGGTGGGGCAGGGGTGGCATACCCCTGAAGACCTTCTACAG  
 GATGTGCTTTCCCCAACTCCAGCTGTGCAGCTCCCTGGATGGGGCAGCCAGCCGGACAGTTATACAG  
 AGGAGCCAACACCCAAGCACACTCCCCGACGCTCCATCTGCCCTACTGCCTGCTGCTGATGGGGCTGG  
 CCCTCGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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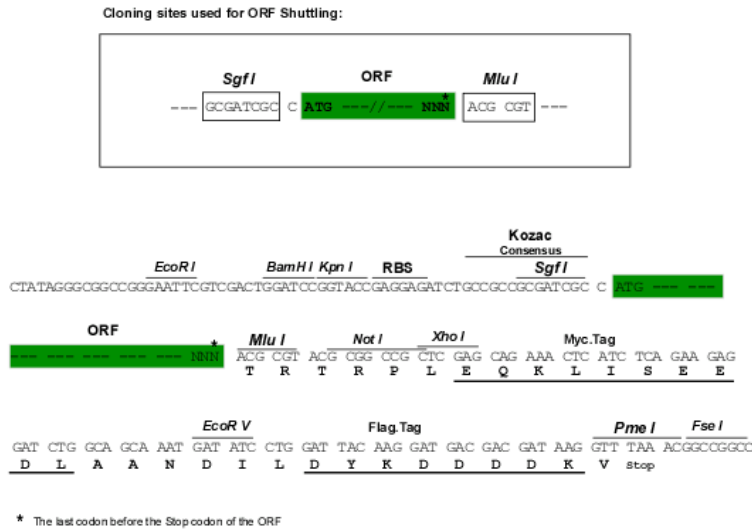
**Protein Sequence:** >RR212611 representing NM\_001107958  
 Red=Cloning site Green=Tags(s)

MTERPPSEAAARSDPQLEGQEAEEARMAPPHLVLLNGVTKETNRAAPAETPVIELGARSSAGGGPAGGGGA  
 ARDLKGRDAVATEARHRVPTTELCRPPGPAPAPASAPAE L PGDGRMVQLSPPALAAPAGPGRALLYSL  
 SQPLASLGSFGEPDAFPMFTNNNRVKRRPSPYEM EITDGPHTKVRRIF TNSRERWRQQNVNGAF AEL  
 RKLIPTHPPDKLSKNEILRLAMKYINFLAKLLNDQEEEGTQRAKPGKDP MVGAGGGGAGGGIPPE DLLQ  
 DVLSPNSSCGSSLDGAASPD SYTEEPTPKHTPRSLHPALLPAADGAGPR

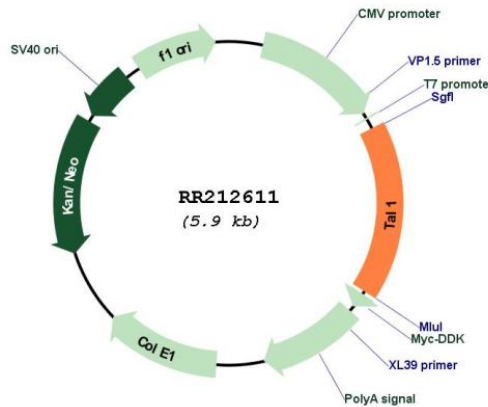
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001107958

**ORF Size:** 987 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001107958.2</a> , <a href="#">NP_001101428.2</a>
<b>RefSeq Size:</b>	4225 bp
<b>RefSeq ORF:</b>	990 bp
<b>Locus ID:</b>	313507
<b>Cytogenetics:</b>	5q35
<b>MW:</b>	34.5 kDa