

## Product datasheet for RR212659

### Lyl1 (NM\_001007677) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Lyl1 (NM\_001007677) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Lyl1  
 Synonyms: MGC93688  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >RR212659 representing NM\_001007677  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTGCCACCCCAGGCCAGGCAGAGGTGGTTCGCCATGACTGAGAAGACAGAGATGGTGTGCACCT  
 CCAGCCCAGCACCTGCTCCTCCCTCTAAGCCAGCTTACCTGGACCCCTTCTGCAGAGGAGGTGGACCA  
 CAGAAACACGTGCAACCCCTGGTTGCCTCCAGGTGTGCCAGTGATAAACCTGGGCCACACCAGGCCACA  
 GGGCAGCCATGCCACCACAGAGCTCAGTGCCTTTCGGCCTTCCTTGTGCAGCTGGCTGCCTTGGTA  
 CAGCTCCACCCACCTTGGCCCTGACTACCACCCTCACCCCTTCTCAACAGTGTCTACATTGGGCCAGC  
 AGGACCCCTCAGCATCTCCCTAACAGCCGACTGAAGCGCAGACCAAGCCATGGAGAGCTGGACTTGGTT  
 GACGGGCACCAACCCAGAGGTGGCTCGGCGAGTGTTCACCAACAGCCGCGAGCGCTGGCGGCAGCAGC  
 ACGTTAACGGCGCCTTCGCGGAGCTCAGGAAGTGTGCTGCCACCCACCCGCCGACCGGAAGCTGAGCAA  
 GAACGAGGTGCTGCGCCTGGCCATGAAGTACATCGGCTTCTGGTGCAGCTGCTGCGAGACCAAGCGGT  
 GTGTTGGCCTCCGGCCCCAGCGCGCCGGGTCCCGAAGCCACCTGCGCACCGGGGCGTGGAGGGCAACG  
 CACGCTGCGGGGCCGGACACAGAGTAGAGGCTGCCCGCTCGCAGCCCGTCTCCAGGGGACTGCGATGG  
 CGACCCAAATGGGTGAGTGGCAGCCATCAAGATGGAGCAGACGGCCCTGAGTCTGAGGTGCGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR212659 representing NM\_001007677  
 Red=Cloning site Green=Tags(s)

MCPPQAQAEVGSAMTEKTEMVCTSSPAPAPPSKPASPGPLPAEEVDHRNTCNPWLP PGPV VINLGHTRPT  
 GAAMPTTELSAFRPSLLQLAALGTAPPTLALHYHPHFLNSVYIGPAGPFSIFPNRSLKRRPSHGELDLV  
 DGHQPQKVARRVFTNSRERWRQHVNGAF AELRKL LPTHPPDRKLSKNEVLR LAMKYIGFLVRLLRDQAA  
 VLASGPSAPGSRKPPAHRGVEGNARCGAGHRVEAARSQPVLP GD CDGPN GSVRPIKMEQTAL SPEVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001007677

**ORF Size:** 834 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\\_001007677.1](#), [NP\\_001007678.1](#)

**RefSeq Size:** 1484 bp

**RefSeq ORF:** 837 bp

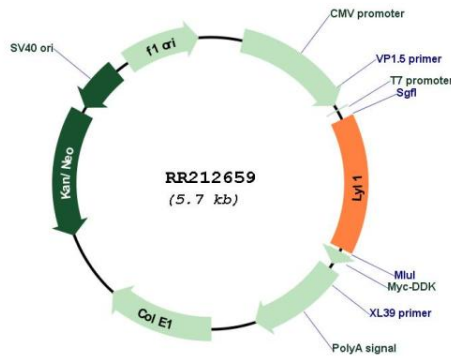
**Locus ID:** 304663

**UniProt ID:** [Q66HH3](#)

**Cytogenetics:** 19q11

**MW:** 30 kDa

**Product images:**



Circular map for RR212659