

Product datasheet for **MG203743**

Lyl1 (NM_008535) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Lyl1 (NM_008535) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Lyl1
 Synonyms: bHLHa18; Lyl-1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >MG203743 representing NM_008535
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGCCCGCCCCAGGCCGAGCAGAGGTGGGTTCCGCCATGACTGAGAAAAGTGAATGGTATGTGCCT
 CCAGCCCAGCACCTGCCCTCCCTCTAAGCTGGCCTCACCTGGGCCCTTTCTACAGAGGAGGTGGACCA
 CCGAAACACGTGCACTCCCTGGTTGCCTCCCGCGTGCCAGTGATAAACCTGGGACACACCAGGCCATA
 GGGGCAGCCATGCCACCACAGAGCTCAGTGCCTTTCCGGCCCTCCTTGTGCAGCTAACTGCCTTGGAA
 GAGCTCCACCTACCCTGGCTGTACATTACCACCCTCACCCCTTCTCAACAGTGTCTACATTGGGCCAGC
 AGGACCCTTACGATCTTCCCTAACAGCCGGCTGAAGCGCAGACCAAGCCATAGTGAGCTGGACTTGGCT
 GACGGGCACCAACCCAGAAAGGTGGCTCGGCGAGTGTTACCAACAGCCGTGAGCGCTGGCGGCAGCAGC
 ACGTTAACGGCGCCTTCGAGAGCTCAGGAAGTGTGCTGCCACCCACCCGCCGACCGGAAGCTGAGCAA
 GAACGAGGTGCTGCGCCTGGCCATGAAGTATATAGGCTTCTGGTGCGGCTGCTGCGAGACCAAACGGCT
 GTGCTGACCTCCGGCCCCAGCGCTCCCGGGTCCCGCAAGCCACTGCGCGCAGGGGCGTGGAGGGCAGCG
 CACGCTTCGGGGCCGAGCACAGAGTAGAGGCTGACAGCTCACAGCCCGTCTTCTGGGGACTGCGATGG
 CGACCCCAATGGGTCAGTGAGACCCATCAAGTTGGAGCAGACATCCCTGAGTCTGAGGTGCGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG203743 representing NM_008535
 Red=Cloning site Green=Tags(s)

MCP PQAGAEVGSAMTEKTEMVCASSPAPAPPSKLASPGPLSTEEVDHRNTCTPWLP PGVPVINLGHTRPI
 GAAMP TTELSAFRPSLLQLTALGRAPPTLAVHYHPHFLNSVYIGPAGPFSIFPNSRLKRRPSHSELDLA
 DGHQPQKVARRVFTNSRERWRQHVNGAF AELRKL LPTHPPDRKLSKNEVLR LAMKYIGFLVRLLRDQTA
 VLTSGPSAPGSRKPPARRGVEGSARFGAEHRVEAARSQPVLP GD CDGDPNGSVRPIKLEQTSLSPEVR

TRTRPLE - GFP Tag - V

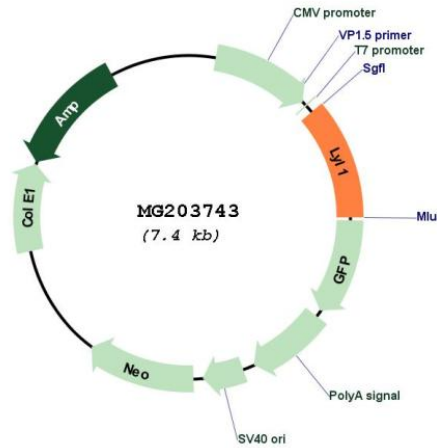
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_008535

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:	<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:	NM_008535.1
RefSeq Size:	1818 bp
RefSeq ORF:	837 bp
Locus ID:	17095
UniProt ID:	P27792
Cytogenetics:	8 41.02 cM