

## Product datasheet for **MG218789**

### Lvrn (NM\_029008) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lvrn (NM_029008) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lvrn
Synonyms:	4833403I15Rik; APQ; Aqpep
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>MG218789 representing NM\_029008  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCCGTCCTTTCAGCTCCGGCGTCTATGTGAGCCCGGGGTGGCCCTGCTGCTGGCCGCGTACACG  
 CCGTGCTCCTGCTGGTGCTAGTGCTCTGGCTTCTTGTATGGCAGCTGCGCTCACGTCCAGCCTTCGGA  
 GCAGGGTAACCTCCCGGGTGAAGAACACCTCATTGTGGCCTCCCGCGGCCAGGAGTGGGCGCTACCAACC  
 CCCGCACAGGAGCCACGGTGGGACCTCCAAGACTTGGGACCTCCGTCGGGGCCCTGGGATCATCTGC  
 GCCTGCCCTCCCTGGCTTGTCCCCTTCACTATGATCTGGAGCTGTGGCCCTGGCTGCAGCCGGATAAGCT  
 GTCCCCACCGAATTTGACCTTACGGGTCGCGTGAACATCACGGTACGCTGCACAGTGGCCCTCTCGAGA  
 TTGTTGCTGCATAGCTTCTTGAATTAACAAGCAAGTGAAGTGTGGGTCCTCTGGCCAGGACACTA  
 GGAACGCCACTGTAGGCCGCTGCAGGTGGAGAAAGTGTGGTTTGCGCCGACATGCAATTCGTGGTGTCT  
 GGATCTGGGCCAATCCTTGGAGCCAGGTAGCAGATATGAGCTGAGTTTCCACTTCTCTGGCCAGGTGCTT  
 CAGGTTGGCTTAGAAGGGCTCTTCTGAACTCTACCATGATGAAGATGAGCTCAGAGCCCTGGTAGCGA  
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 TAATATTACAGTTATCCATCATCTGGGTATGCGGCTCTTTCCAATATGCCCCAGCTGGGTGAGTCTGAA  
 AGAATCGATGTGAATGGAAGCAGATGGACTGTCACCTCCATACCACACCCCGCATGCCAACGTACC  
 TTGTTGCCCTTGTGTGTGACTTAGACCACATCAGCAGAACTGAGAGAGGCAAGGAGATACGTGTCTG  
 GGCCCGGAAAGACGACATTGCAAGTGGATTTAGACTTGTGCAAAACATCACAGGCCCATCTTCTCA  
 TTTCTGGAGGATCTGTTAATATCAGTTATCGGCTTCCAAAACAGATATAGTTGCCTTGCTATTTTTG  
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 GCAAGATGACCTGTGGAGACATATCAATGGCTATAGGTGAGCAGAATGTAACCTATTTGCCAGCAACA  
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 GGGTCTGTTAAACAAGAGCCGTTTTATCTTGACAAGGTTGAAAATCAGACCCTTCTAAGCCACAATAGTAC  
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 GGCCATTCCTGTCATTAACAGGCTGCAGCTGGTGGAGCGCTTTCGCTTACTAAAAACAATTACATT  
 GAGATCGAGACGGCACTTGATTTAACCAATACATTGCCGAAGAAGATGAGATCCTGGTGTGGTTTGAAG  
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 GCTGCAGTAAAGACCCGTGGATACTTAACAGATTTATGGAGTATGCCATCACTGCAGTTTCTCCAATTT  
 TAGTGAACAAAATAATAGTTGTTGAGCAACATCTGAAGTTGGCCGGTACATTGCAAAGGACTTTCTA  
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 GGAGGACCGTCAGTACAGATCAGCAGGTACAGAGTTGCAGCACTTCTCAGTACTGTGTTGGAAGAGCA  
 CCAGAGGGTTGTGGTTCAAGCAAATTACAGGCAATGAAGACGAAGAATCTGCAAAAACAAGAAGAGAATT  
 GCCAGGTTGGTTGAGTGGCTTCGAAAAACACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG218789 representing NM\_029008  
 Red=Cloning site Green=Tags(s)

MSRPFSSGVVSRGVALLLAALTAVLLLVLVALASLYGSCAHVQPSEQGNRSRVKNTSLWPPGGQEWALPT  
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 LLLHSFLLNYKQVEVWGPLAQDTRNATVGRVQVEKVVWVAPDMQFVVLDLGQSLPGRYELSFHFSGQVL  
 QVGLLEGLFLNLYHDEDELRALVATQMEPTFARHVFPDFDEPALKATFNITVIHHPGYAALSNMPQLGQSE  
 RIDVNGSRWTVTTFHTTTPRMPTYLVALVVCDDLHISRTERGKEIRVWARKDDIASGYLDFANITGPIFS  
 FLEDLFNISYRLPKTDIVALPIFASGAMENWGLLIFDESSLLEPEDELTEKRAMILSIIAHEVGHQWFG  
 NLVTMSWNNIWLNEGFASYFELELTNYFYKVPVNMIFFTVLHGILGEDHALESRAVSTAVENFTETS  
 EINRFLDYTYKKGACMAWMLASFLSPHLFINALKSYLETFSYSNAEQDDLWRHIQMAIGEONVTHLPAT  
 VKGIMDSWTHRGGFPIITVNVSTGVVKQEPFYLDKVENQTLTSHNSTWIVPIFWMKNGIPQPLVWLDKSN  
 MMFPGMKLSDSDSDWVILNFNVTGYRNVYDELGWKKLSEQLEKPKAIPVINRLQLVSDAFALTKNNYI  
 EIETALDLTKYIAEEDILVWFVLLNLINREVIYDVNNYALYPLLKYLKRFNSIWNYSIAIIRENVA  
 SLQDNYLSLFLSLEIFETACWLGLEDCLQLSRELFFKWT AHPETAIPPQIENAVLCSAVALGSDKDWDFL  
 FNLYINTTEEEDESRRRLVHAMSCSKDPWILNRFMEYAITAVSSNFSETNIIVVATSEVGRYIAKDFL  
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 ARVVEWLRKNT

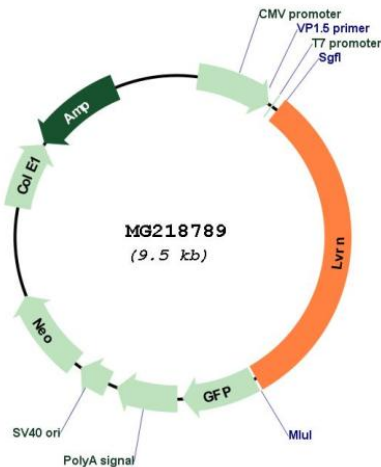
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_029008

**ORF Size:** 2973 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\\_029008.1](#), [NP\\_083284.1](#)

**RefSeq Size:** 3219 bp

**RefSeq ORF:** 2976 bp

**Locus ID:** 74574

**Cytogenetics:** 18 C