

## Product datasheet for **MG215277**

### Layn (NM\_001033534) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Layn (NM_001033534) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Layn
Synonyms:	E030012M19Rik; Gm511
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG215277 representing NM_001033534 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGCCGGGAGCAGCGCTGCAGGCTATGTTGCTGGCGGTGCTGCTGGCCAAACCGAGGGATTCAAGG  
GTCGCCTGCTGAGCGCCTCGGACTTGGACCCAGAGGAGGGCAGCTGGTCTGCCGAGGAGGAACACGGAG  
GCCTTGCTATAAAGTCATTTATTTCCATGACGCCTTTCAAAGACTGAACCTTGAGGAAGCCAAAGAAACC  
TGCATGGAGGATGGGGACAGCTCGTCAGCATTGAGACAGAGGATGAGCAGAGGTTGATAGAAAAGTTCA  
TTGAAAACCTCCTGGCATCTGATGGTGACTTCTGGATTGGCCTCAAGAGGCTGGAGGAGAAACAGAGCAA  
TAACACAGCCTGCCAGGACCTTTATGCTTGGACAGATGGAAGCACATCACAGTTTAGGAAGTGGTATGTG  
GATGAGCCTTCTGTGGCAGTGAGGTCTGCGTGGTTCATGTACCATCAGCCATCAGCACCACCCGGCATCG  
GGGGCTCGTACATGTTCCAGTGGAAATGATGACCGGTGCAACATGAAGAACAATTTCAATTTGCAAATATCA  
TGACGATAAACCAAGTACAACACCCTCTATTTGGCCTGGAGGTGAAGCAACTGAGCCAGCAACACCCTTA  
CTTCCAGAAGAAACACAGAAAGAAGACACCAAGAAACATTTAAAGAACGAAGAGAGGCTGCTTTGAATC  
TTGCCTACATCCTAATCCCAGTATTCCTTTTCTCCTACTTGTGGTCACTTCAGCTGTATGTTGGGT  
TTGGATCTGTAGAAGAAAACGAGAACAGACAGACCCTAGCACAAAGGAGCAGCACACCATTTGGCCCACT  
CCTCGCAAGAAAACAGCCCCAACCTAGATGTTTACAATGTCATCAGAAAACAAAGTGAAGCTGATTTAG  
CTGAGCCCCGGCCAGACCTGAAGAACATCTCCTTCCGGGTGTGTTCTGGGGAAGCTATGCCTGATGACAT  
GTCTTGTGACTATGAAAACATTGCTGTGAACCTTCGAAAAGTGGGTTTGTGACTTTGGCAAGTATGGAG  
AGTGGATTTGTGACCAATGACATCTATGAATTCTCCCCGACCGAATGGGGAGGAGCAAGGAGAGTGGAT  
GGGTAGAAAATGAAATATATTAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG215277 representing NM\_001033534  
 Red=Cloning site Green=Tags(s)

MQPGAALQAMLLAVLLAKPRDSKGRLLSASDLDPGGQLVCRGGTRRPCYKVIYFHDAFQRLNFEEAKET  
 CMEDGGQLVSIETEDEQRLIEKFIENLLASDGFWIGLKRLEEKQSNNTACQDL YAWTDGSTSQFRNWYV  
 DEPSCGSEVVCVMYHQPSAPPGIGGSYMFQWDDRCNMKNNFICKYHDDKPSTTPSIWPGGEATEPATPL  
 LPEETQKEDTKETFKERREAALNLAYILIPSIPLFLLL VVTSAVCWVVICRRKREQTDPSKEQHTIWPT  
 PRQENSPNLDVYNVIRKQSEADLAEPRLKNI SFRVCSGEAMPDDMSCDYENI AVNPSESGFVTLASME  
 SGFVTNDIYEFSPDRMGRSKESGWVENEIYY

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001033534

**ORF Size:** 1143 bp

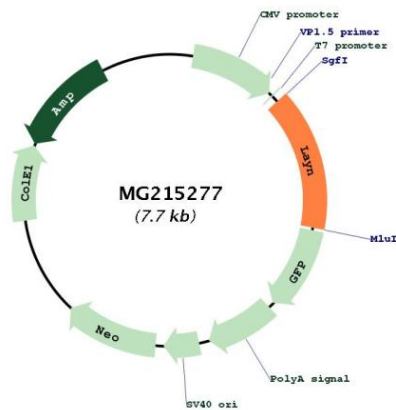
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

<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>	<u>NM_001033534.1</u> , <u>NP_001028706.1</u>
<b>RefSeq Size:</b>	1786 bp
<b>RefSeq ORF:</b>	1146 bp
<b>Locus ID:</b>	244864
<b>UniProt ID:</b>	<u>Q8C351</u>
<b>Cytogenetics:</b>	9 A5.3
<b>Gene Summary:</b>	Receptor for hyaluronate.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG215277