

## Product datasheet for **RG206197**

### LAYN (NM\_178834) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LAYN (NM_178834) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LAYN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206197 representing NM_178834 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGCCGGAACCGCGCTACAGGCGGTGCTGCTGGCCGTGCTGCTGGTGGGGCTGCGGGCCGCGACGG  
GTCGCCTGCTGAGTGGGCAGCCAGTCTGCCGGGGAGGGACACAGAGGCCCTTGTTATAAAGTCATTTACTT  
CCATGATACTTCTCGAAGACTGAACTTTGAGGAAGCCAAAGAAGCCTGCAGGAGGGATGGAGGCCAGCTA  
GTCAGCATCGAGTCTGAAGTGAACAGAACTGATAGAAAAGTTCATTGAAAACCTTTGCCATCTGATG  
GTGACTTCTGGATTGGGCTCAGGAGCGTGAGGAGAAACAAAGCAATAGCACAGCCTGCCAGGACCTTTA  
TGCTTGACTGATGGCAGCATATCACAATTTAGGAACTGGTATGTGGATGAGCCGTCCTGCGGCAGCGAG  
GTCTGCGTGGTGTCATGTACCATCAGCCATCGGCACCCGCTGGCATCGGAGGCCCTACATGTTCCAGTGGA  
ATGATGACCGGTGCAACATGAAGAACAATTTCAATTTGCAAATATTCTGATGAGAAACCAGCAGTTCCTTC  
TAGAGAAGCTGAAGGTGAGGAAACAGAGCTGACAACACCTGTACTTCCAGAAGAAACACAGGAAGAAGAT  
GCCAAAAAACATTTAAAGAAAGTAGAGAAGCTGCCTTGAATCTGGCCTACATCCTAATCCCCAGCATT  
CCCTTCTCCTCCTTGTGGTCACCACAGTTGTATGTTGGGTTGGATCTGTAGAAAAAGAAAACGGGA  
GCAGCCAGACCCTAGCACAAAGAAGCAACACCATCTGGCCCTCCTCACCAGGAAACAGCCCGGAC  
CTAGAGGTCTACAATGTCATAAGAAAACAAAGCGAAGCTGACTTAGCTGAGACCCGGCCAGACCTGAAGA  
ATATTTCAATCCGAGTGTGTTCCGGGAGAAGCCACTCCCGATGACATGTCTTGTGACTATGACAACATGGC  
TGTGAACCATCAGAAAGTGGGTTTATGACTCTGGTGAGCGTGGAGAGTGGATTTGTGACCAATGACATT  
TATGAGTTCTCCCAGACCAAAATGGGGAGGAGTAAGGAGTCTGGATGGGTGGAAAATGAAATATATGTTT  
AT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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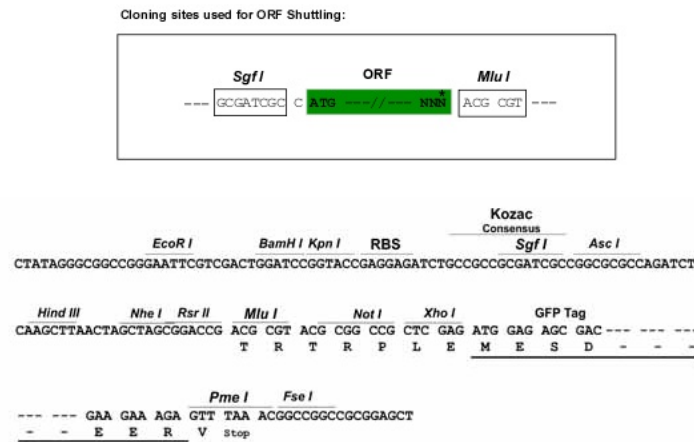
**Protein Sequence:** >RG206197 representing NM\_178834  
 Red=Cloning site Green=Tags(s)

MRPGTALQAVLLAVLLVGLRAATGRLLSGQPVCRGGTQRPCYKVIYFHDTSRRLNFEAKEACRRDGGQL  
 VSI ESEDEQKLI EKFIENLLPSDGFWIGLRRREEKQSNSTACQDLYAWTDGSI SQFRNWYVDEPSCGSE  
 VCVVMYHQPSAPAGIGGPFYMFQWDDRCNMKNFICKYSDEKPAVPSREAEGETEL TTPVLPEETQEED  
 AKKTFKESREAA NLAYILIPSIPLLLLLLVVTTVVVCWWVICRKRKREQDPSTKKQHTIWPSPHQNSPD  
 LEVYVNI R KQSEADLAETRPDLKNI SFRVCSGEATPDDMSCDYDNMAVNPSESGFMTLVSVESGFVTNDI  
 YEFSPDQMGRSKESGWVENEIYGY

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_178834

**ORF Size:** 1122 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\\_178834.2](#), [NP\\_849156.1](#)

**RefSeq Size:** 2067 bp

**RefSeq ORF:** 1125 bp

**Locus ID:** 143903

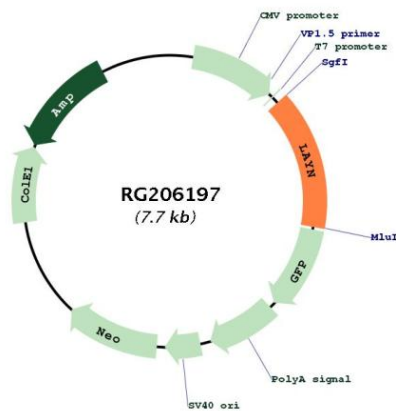
**UniProt ID:** [Q6UX15](#)

**Cytogenetics:** 11q23.1

**Protein Families:** Transmembrane

**Gene Summary:** Receptor for hyaluronate.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG206197