

Product datasheet for **RG233935**

LAYN (NM_001258390) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LAYN (NM_001258390) 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:	>RG233935 representing NM_001258390 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCCGGGAACCGCGCTACAGGCCGTGCTGCTGGCCGTGCTGCTGGTGGGGCTGCGGGCCGCGACGG
GTCGCCTGCTGAGTGCCTCGGATTTGGACCTCAGAGGAGGGCAGCCAGTCTGCCGGGAGGGACACAGAG
GCCTTGTATAAAGTCATTTACTTCCATGATACTTCTCGAAGACTGAACCTTTGAGGAAGCCAAAGAAGCC
TGCAGGAGGGATGGAGGCCAGCTAGTCAGCATCGAGTCTGAAGATGAACAGAACTGATAGAAAAGTTCA
TTGAAAACCTCTTGCCATCTGATGGTGACTTCTGGATTGGGCTCAGGAGGCGTGAGGAGAAACAAAGCAA
TAGCACAGCCTGCCAGGACCTTTATGCTTGGACTGATGGCAGCATATCACAATTTAGGAACCTGGTATGTG
GATGAGCCATCCTGCGGCAGCGAGGTCTGCGTGGTCATGTACCATCAGCCATCGGCACCCGCTGGCATCG
GAGGCCCTACATGTTCCAGTGAATGATGACCGTGCAACATGAAGAACAATTTCAATTTGCAAATATTC
TGATGAGAAACACAGCAGTTCTTCTAGAGAAGCTGAAGGTGAGGAAACAGAGCTGACAACACCTGTACTT
CCAGAAGAAACACAGGAAGAAGATGCCAAAAAACATTTAAAGAAAGTAGAGAAGCTGCCTTGAATCTGG
CCTACATCCTAATCCCCAGCATTCCCCTCTCCTCCTCTGTGGTCACCACAGTTGTATGTTGGGTTTG
GATCTGTAGAAAAGAAAACGGGAGCAGCCAGACCCTAGCACAAAGAAGCAACACACCATCTGGCCCTCT
CCTCACCAGGAAACAGCCGGACCTAGAGGTCTACAATGTCATAAGAAAACAAAGCGAAGCTGACTTAG
CTGAGACCCGGCCAGACCTGAAGAATATTTCAATCCGAGTGTGTTGCGGGAGAAGCCACTCCCGATGACAT
GTCTTGTGACTATGACAACATGGCTGTGAACCCATCAGAAAGTGGGTTTGTGACTCTGGTGAAGCTGGAG
AGTGGATTTGTGACCAATGACATTTATGAGTTCTCCCCAGACCAATGGGGAGGAGTAAGGAGTCTGGAT
GGGTGGAAAATGAAATATATGTTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233935 representing NM_001258390
 Red=Cloning site Green=Tags(s)

MRPGTALQAVLLAVLLVGLRAATGRLLSASDLRGGQPVCRGGTQRPCYKVIYFHDTSRRLNFEEAKEA
 CRRDGGQLVSIIESEDEQKLEKFIENLLPSDGFWIGLRRREEKQSNSTACQDL YAWTDGSI SQFRNWYV
 DEPSCGSEVVCVMYHQPSAPAGIGGPFYFQWDDRCNMKNNFICKYSDEKPAVPSREAEGEETEL TTPVL
 PEETQEEDAKKTFKESREAAALNLAYIL IPSIPLLLLLLVTTVVVCWWICRKRKREQDPDPSTKKQHTIWPS
 PHQGNSPDLEVYNVIRKQSEADLAETRPDLKNI SFRVCSGEATPDDMSCDYDNMAVNPSESGFVTLVSVE
 SGFVTNDIYEFSPDQMGRSKESGWVENEIYGY

TRTRPLE - GFP Tag - V

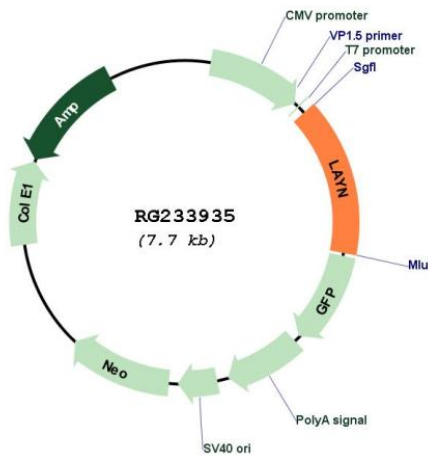
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001258390

ORF Size:	1146 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_001258390.1 , NP_001245319.1
RefSeq Size:	2772 bp
RefSeq ORF:	1149 bp
Locus ID:	143903
UniProt ID:	Q6UX15
Cytogenetics:	11q23.1
Protein Families:	Transmembrane
Gene Summary:	Receptor for hyaluronate.[UniProtKB/Swiss-Prot Function]