

Specifications:

Gene:	<i>h</i> LAYN
Accession:	NP_001245319
Insert size:	1162bp
Concentration:	10µg at 0.2µg/µL

*h*Layilin cDNA Plasmid

LAYN layilin [*Homo sapiens* (human)]

Summary:

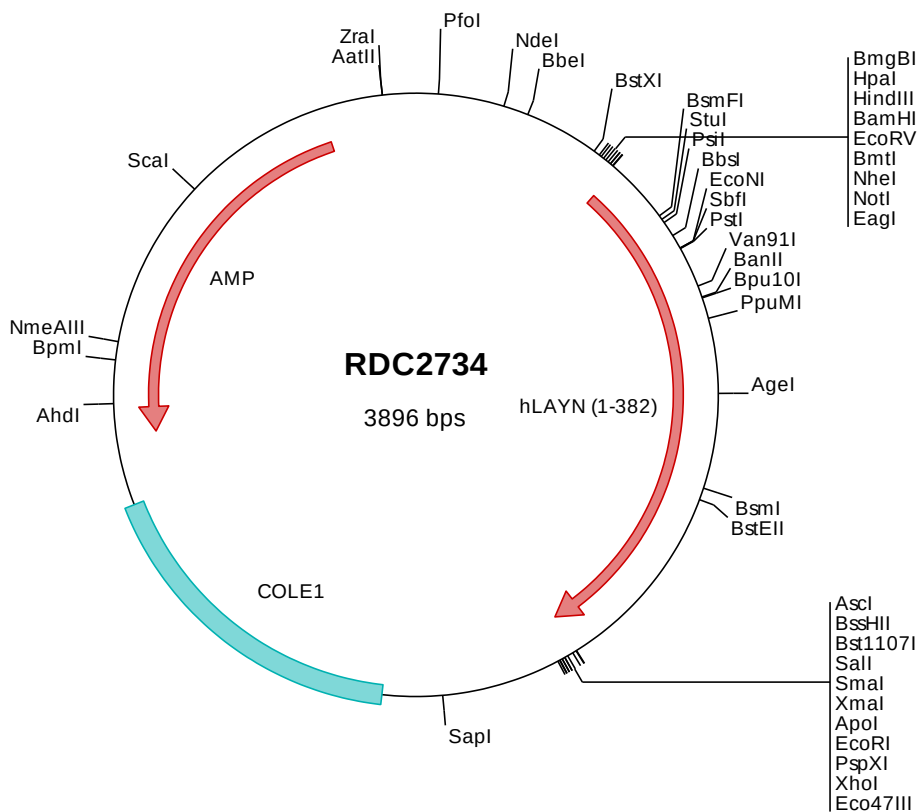
Layilin (named after the L-A-Y-I-L-I six amino acid motif in the molecule's transmembrane segment) is a member of the animal C-type lectin family. Layilin is known to be a receptor for hyaluronan (HA), a negatively charged linear high molecular weight polysaccharide composed of alternating units of D-glucuronic acid and N-acetyl-D-glucosamine. HA is found in the extracellular matrix of most animal tissues and in body fluids. Thus, it may be that layilin modulates cell behavior and functions during tissue remodeling, development, homeostasis, and disease. Layilin binds specifically to HA but not to other glycosaminoglycans.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



> RDC2734 Plasmid DNA Sequence

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1   tcgcgcgctt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacc atgaggccag gaaccgcgt acaggccgtg ctgctggccg tgctgtggt
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> RDC2734 Translated Insert Sequence

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201  eetelttpvl peetqeadak ktfkesreaa lnlayilips ipllllllvt tvvcwwicr krkregpdps tkkqhtiws phqgnspdle vynvirkqse
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