

Specifications:

Gene:	mColec11
Accession:	NP_082142.1
Insert size:	832bp
Concentration:	10µg at 0.2µg/µL

mCL-K1/COLEC11 cDNA Plasmid

Colec11 collectin sub-family member 11 [*Mus musculus* (house mouse)]

Also known as: CL-K1

Summary:

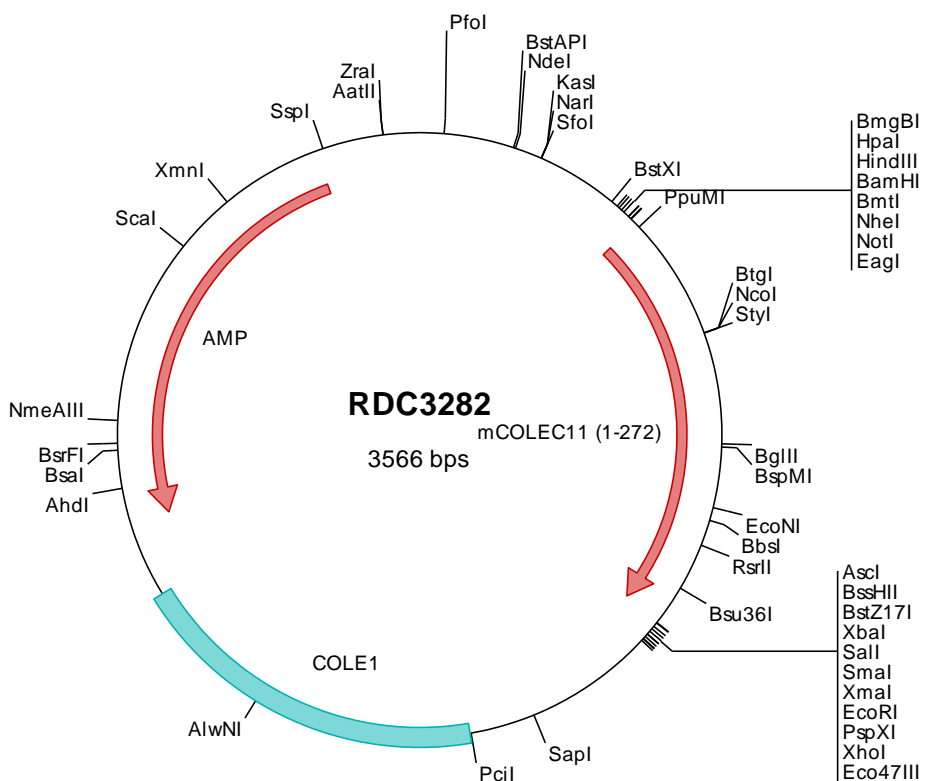
COLEC11 is a member of the collectin family of C-type lectins that possess collagen-like sequences and carbohydrate recognition domains. Collectins are secreted proteins that play important roles in the innate immune system by binding to carbohydrate antigens on microorganisms, facilitating their recognition and removal. COLEC11 binds to multiple sugars with a preference for fucose and mannose. Mutations in COLEC11 are a cause of 3MC syndrome-2.

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.



> RDC3282 Plasmid DNA Sequence

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1   tcgctgctgtt  cggatgatgac  ggtgaaaaacc  totgacacat  gcagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccggggagca  gacaagcccg
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> RDC3282 Translated Insert Sequence

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