

Specifications:

Gene:	<i>mChad</i>
Accession:	NP_031715
Insert size:	1090bp
Concentration:	10µg at 0.2µg/µL

*m*Chondroadherin cDNA Plasmid

Chad chondroadherin [*Mus musculus* (house mouse)]

Also known as: SLRR4A

Summary:

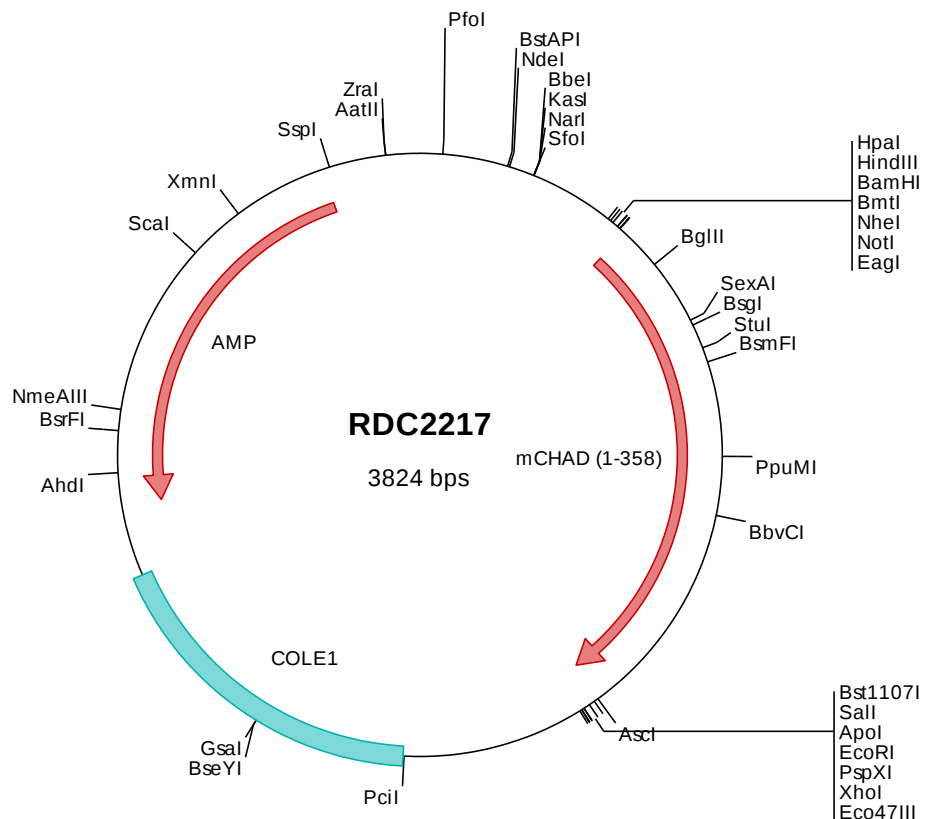
CHAD is a secreted glycosaminoglycan that contains nine tandem leucine-rich repeats as well as N-terminal and C-terminal leucine-rich domains. It is a component of the extracellular matrix in cartilage, tendon, bone growth plates, skeletal and cardiac muscle, lung, gastrointestinal tract, pancreas, cerebellum, and eye. It is cleaved by HTRA1/Omi during intervertebral disc degeneration. Chondroadherin functions as an adhesion protein by binding to Integrin $\alpha 2/\beta 1$, Collagen II, and Collagen VI. It also promotes complement activation through binding to C1q and Complement Factor H.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2217 Plasmid DNA Sequence

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> RDC2217 Translated Insert Sequence

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