

Specifications:

Gene:	<i>h</i> COL1A1
Accession:	NP_000079
Insert size:	4408bp
Concentration:	10 μ g at 0.2 μ g/ μ L

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.

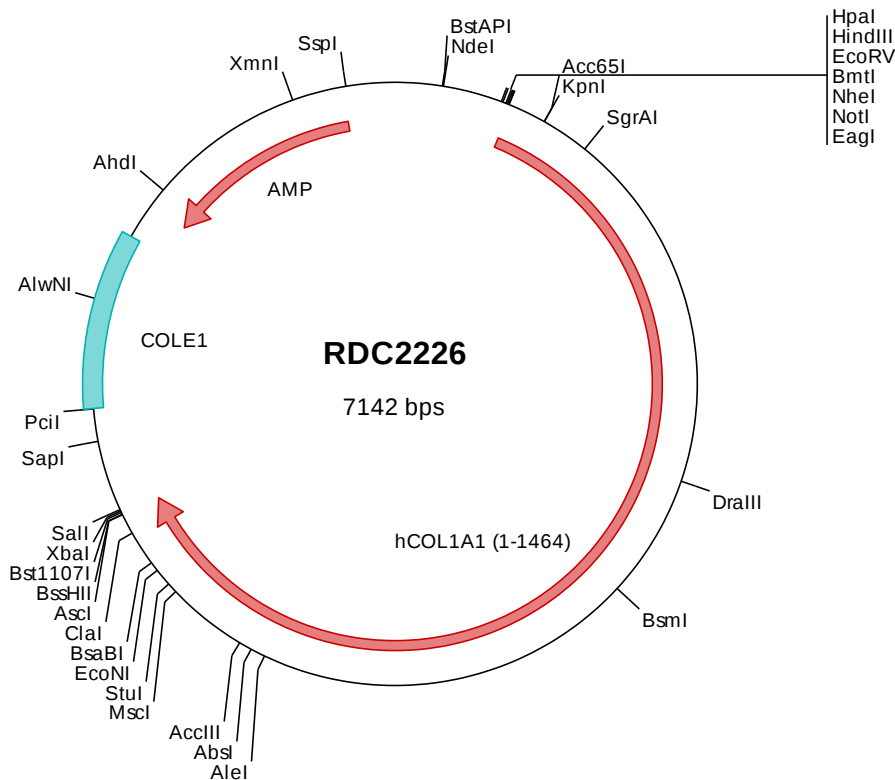
*h*Collagen I α 1 cDNA Plasmid

COL1A1 collagen type I alpha 1 chain [*Homo sapiens* (human)]

Also known as: OI1; OI2; OI3; OI4; EDSC

Summary:

COL1A1 is the pro- α 1 chain of type I collagen whose triple helix comprises two α 1 chains and one α 2 chain. Type I is a fibril-forming collagen found in most connective tissues and is abundant in bone, cornea, dermis and tendon. Mutations in COL1A1 are associated with osteogenesis imperfecta types I-IV, Ehlers-Danlos syndrome type VIIA, Ehlers-Danlos syndrome Classical type, Caffey Disease and idiopathic osteoporosis.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2226 Plasmid DNA Sequence

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> RDC2226 Translated Insert Sequence

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