

Specifications:

Gene:	<i>hENAM</i>
Accession:	NP_114095
Insert size:	3442bp
Concentration:	10µg at 0.2µg/µL

**hEnamelin cDNA
Plasmid**

**ENAM enamelin [*Homo sapiens*
(human)]**

Also known as: ADAI; AI1C; AIH2

Summary:

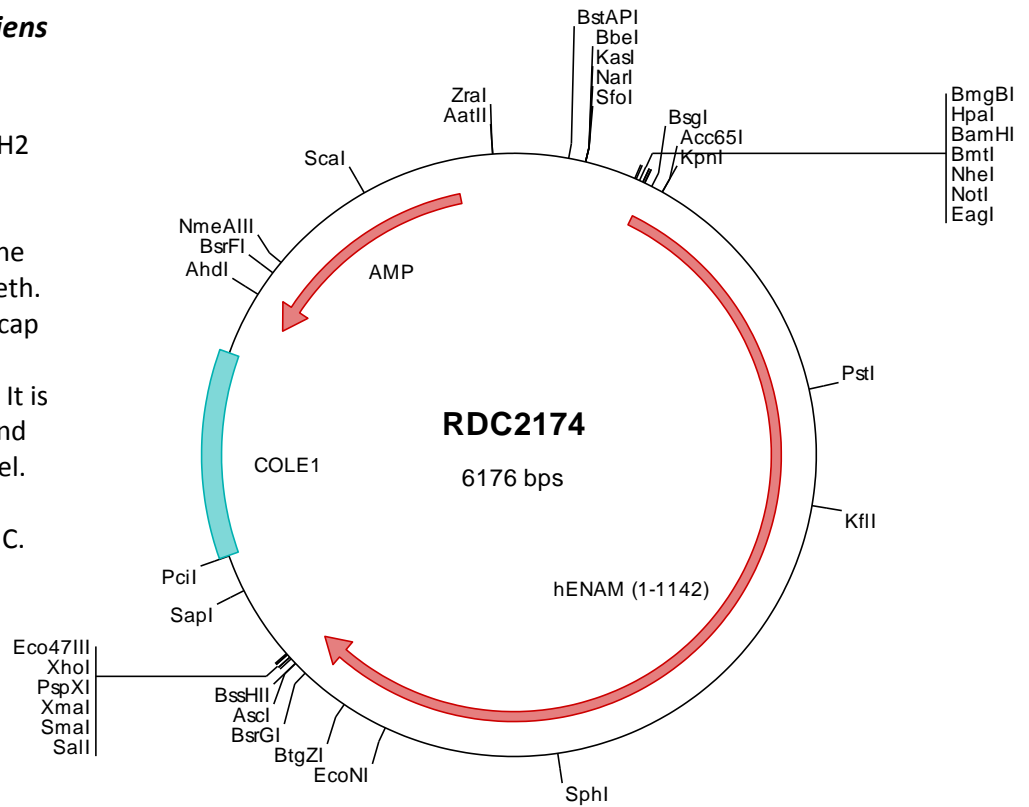
ENAM is the largest protein in the enamel matrix of developing teeth. Dental enamel forms the outer cap of teeth and is the hardest substance found in vertebrates. It is involved in the mineralization and structural organization of enamel. Defects in ENAM result in amelogenesis imperfecta type 1C.

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.



> RDC2174 Plasmid DNA Sequence

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> RDC2174 Translated Insert Sequence

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