

Specifications:

Gene:	cynoMMP9
Accession:	XP_005569271.2
Insert size:	2137bp
Concentration:	10µg at 0.2µg/µL

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

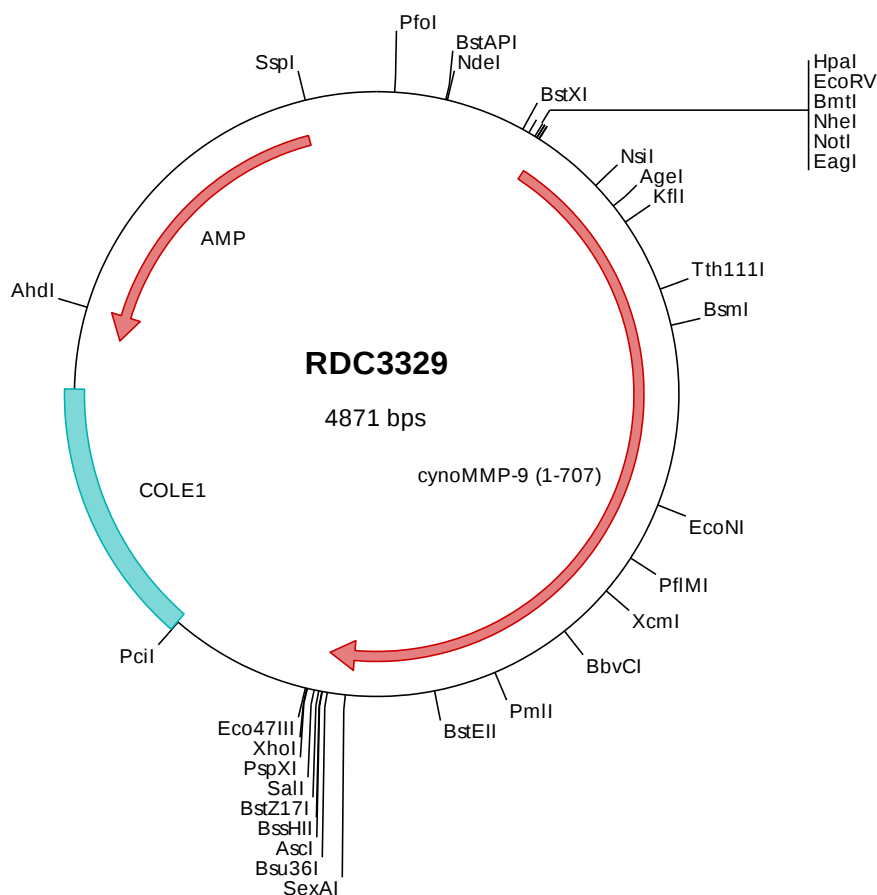
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

cynoMMP-9 cDNA Plasmid

MMP9 matrix metalloproteinase 9 [*Macaca fascicularis* (crab-eating macaque)]

Summary:

MMP-9 belongs to the matrix metalloproteinase (MMP) family which are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. MMP-9 degrades type IV and V collagens. Studies in rhesus monkeys suggest that MMP-9 is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3329 Plasmid DNA Sequence

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> RDC3329 Translated Insert Sequence

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