

Specifications:

Gene:	caACE2
Accession:	NP_001158732.1
Insert size:	3150bp
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

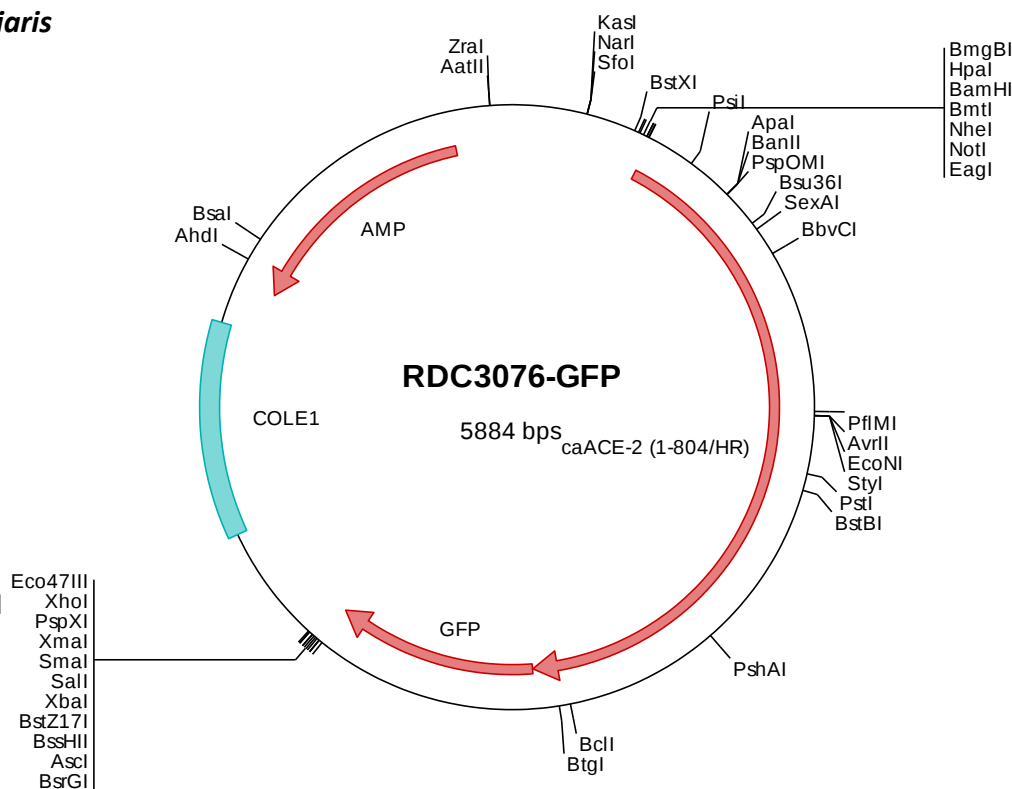
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

**caACE-2 cDNA
Plasmid**

ACE2 angiotensin I converting enzyme 2 [*Canis lupus familiaris* (dog)]

Summary:

ACE-2 belongs to the angiotensin-converting enzyme family of dipeptidyl carboxypeptidases. It is a secreted protein that catalyzes the cleavage of angiotensin I into angiotensin 1-9, and angiotensin II into the vasodilator angiotensin 1-7. The organ- and cell-specific expression of ACE-2 suggests that it may play a role in the regulation of cardiovascular and renal function, as well as fertility. In addition, ACE-2 is a functional receptor for the spike glycoprotein of the human coronavirus HCoV-NL63 and the human severe acute respiratory syndrome coronaviruses, SARS-CoV and SARS-CoV-2 (COVID-19 virus).



> RDC3076-GFP Plasmid DNA Sequence

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> RDC3076-GFP Translated Insert Sequence

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