

Specifications:

Gene:	<i>cynoANGPT2</i>
Accession:	XP_005562586.1
Insert size:	1501bp
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

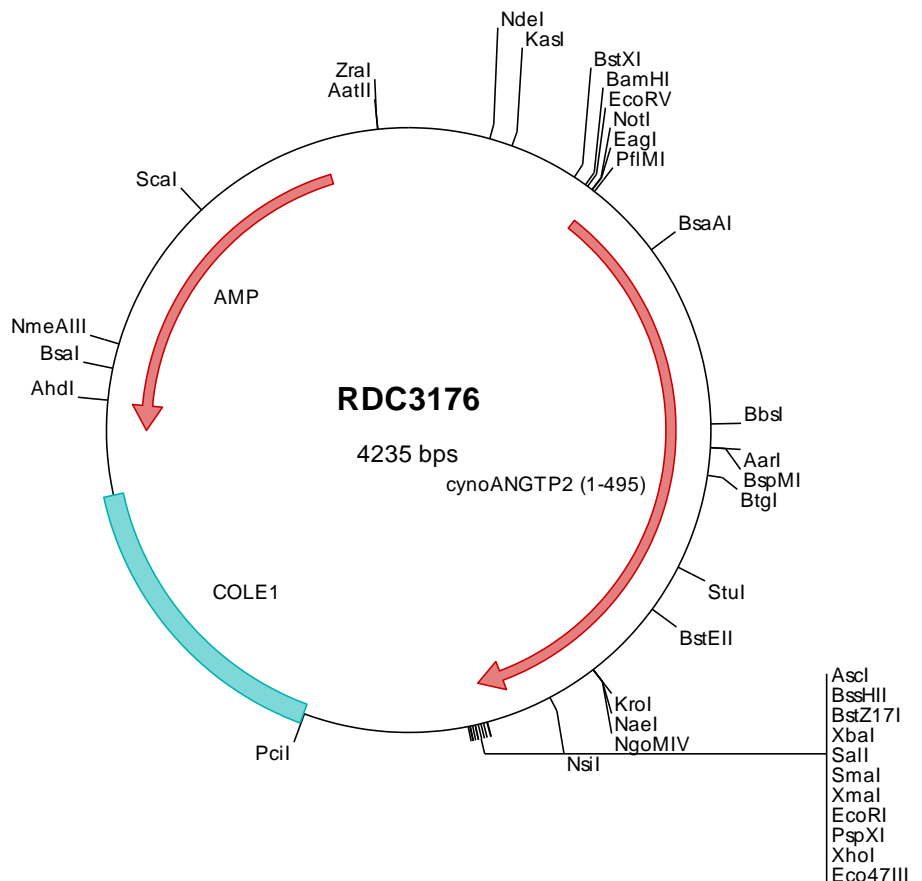
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

**cynoAngiopoietin-2
cDNA Plasmid**

ANGPT2 angiopoietin 2 [*Macaca fascicularis* (crab-eating macaque)]

Summary:

ANPGT2 belongs to the angiopoietin family of growth factors. It is an antagonist of angiopoietin 1, and both angiopoietin 1 and angiopoietin 2 are ligands for the endothelial TEK receptor tyrosine kinase. ANPGT2 is upregulated in multiple inflammatory diseases and is implicated in the direct control of inflammation-related signaling pathways. It affects angiogenesis during embryogenesis and tumorigenesis, disrupts the vascular remodeling ability of angiopoietin 1, and may induce endothelial cell apoptosis.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3176 Plasmid DNA Sequence

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1 tcgctgcttt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccggggagca gacaagcccc
101 tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatag cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301 tacgcccagct ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgcccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
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2201 cgccggggga gaggcggttt gcgtatttgg gcctcttccg cttctctcgt cactgactcg gacgctcgg tcgctcggc tcgctcggc gtaacagctc
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> RDC3176 Translated Insert Sequence

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1 mwqivfftl cdlvlaayn nfrksmsdig kkyqvqghs csytfllpem dncrssspsy vsnavqrdap leyddsvqrl qvlenimenn tqwlmklyen
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