

Specifications:

Gene:	hANGPT2
Accession:	NP_001138.1
Insert size:	1504bp
Concentration:	10µg at 0.2µg/µL

hAngiopoietin-2 cDNA Plasmid

ANGPT2 angiopoietin 2 [*Homo sapiens* (human)]

Also known as: ANG2; AGPT2;
LMPHM10

Summary:

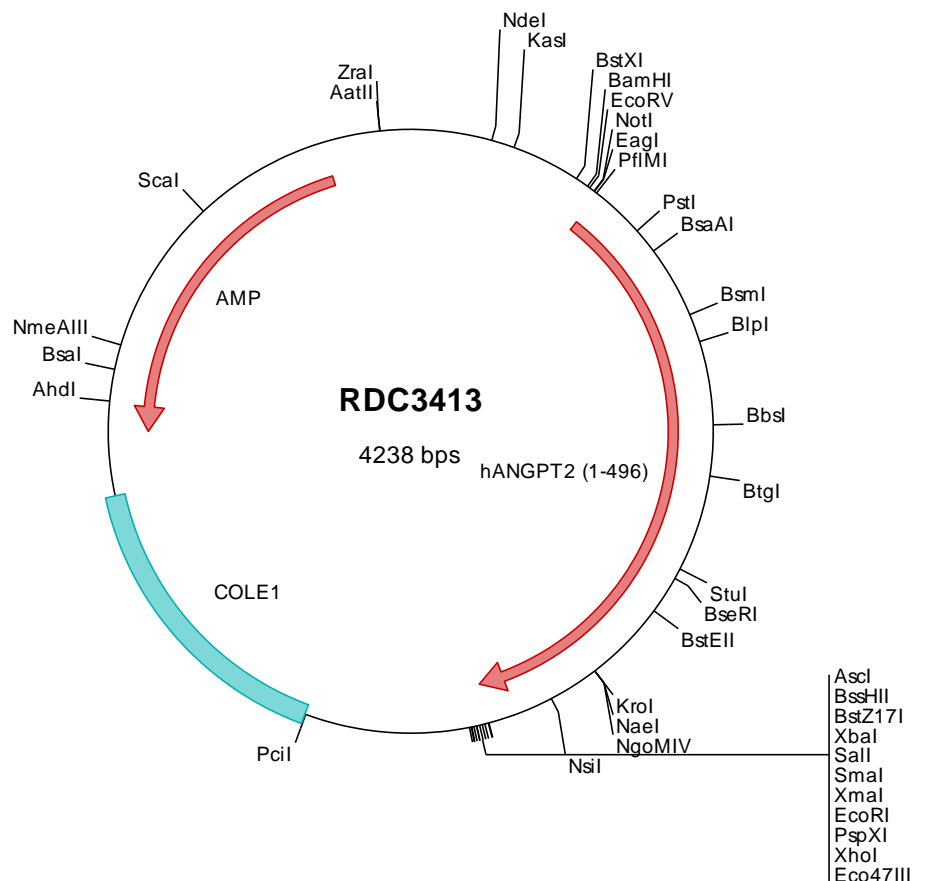
Angiopoietin-2 belongs to the angiopoietin family of growth factors. It is an antagonist of angiopoietin 1, and both angiopoietin 1 and angiopoietin 2 are ligands for the endothelial TEK receptor tyrosine kinase. Angiopoietin-2 is upregulated in multiple inflammatory diseases and is implicated in the 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. It serves a prognostic biomarker for acute respiratory distress syndrome.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3413 Plasmid DNA Sequence

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> RDC3413 Translated Insert Sequence

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