

Specifications:

Gene:	<i>h</i> ANGPTL5
Accession:	AAH49170
Insert size:	1180bp
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

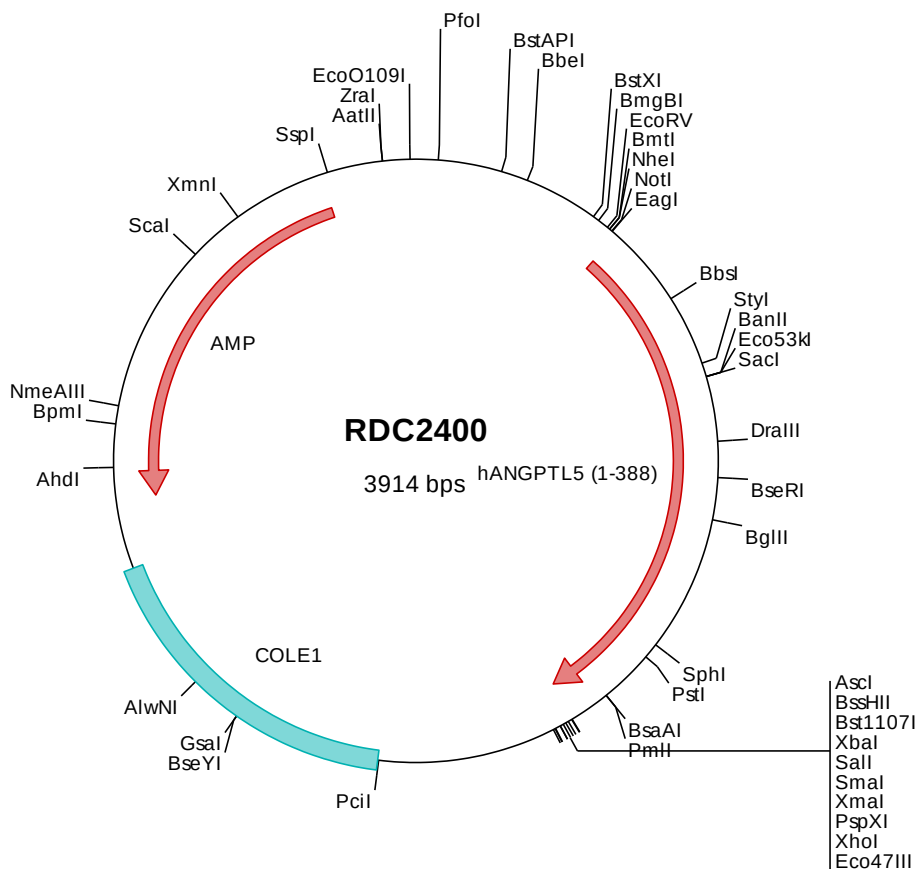
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*Angiopoietin-like 5 cDNA Plasmid

ANGPTL5 angiopoietin like 5 [*Homo sapiens* (human)]

Summary:

ANGPTL5 is a secreted glycoprotein that is structurally related to the angiopoietins which contain an N-terminal coiled-coil domain and a C-terminal fibrinogen-like domain. ANGPTL5 is expressed in adipose, bronchial, epididymal, and heart tissue. Rare polymorphisms and loss of function mutations in human ANGPTL5 are associated with low circulating triglyceride levels and alterations in body mass index. ANGPTL5, when used in combination with other growth factors such as SCF, Thrombopoietin, IGF-II, FGF acidic, Flt-3 Ligand, and IGFBP-2, enhances the expansion and engraftment of human and mouse hematopoietic stem cells.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2400 Plasmid DNA Sequence

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> RDC2400 Translated Insert Sequence

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