

Specifications:

Gene:	hPDGFRA
Accession:	NP_006197
Insert size:	3283bp
Concentration:	10 μ g at 0.2 μ g/ μ L

hPDGFR α cDNA Plasmid

PDGFRA platelet-derived growth factor receptor, alpha polypeptide [*Homo sapiens*]

Also known as: CD140A;
PDGFR2; PDGFR-2;
RHEPDGFRA

Summary:

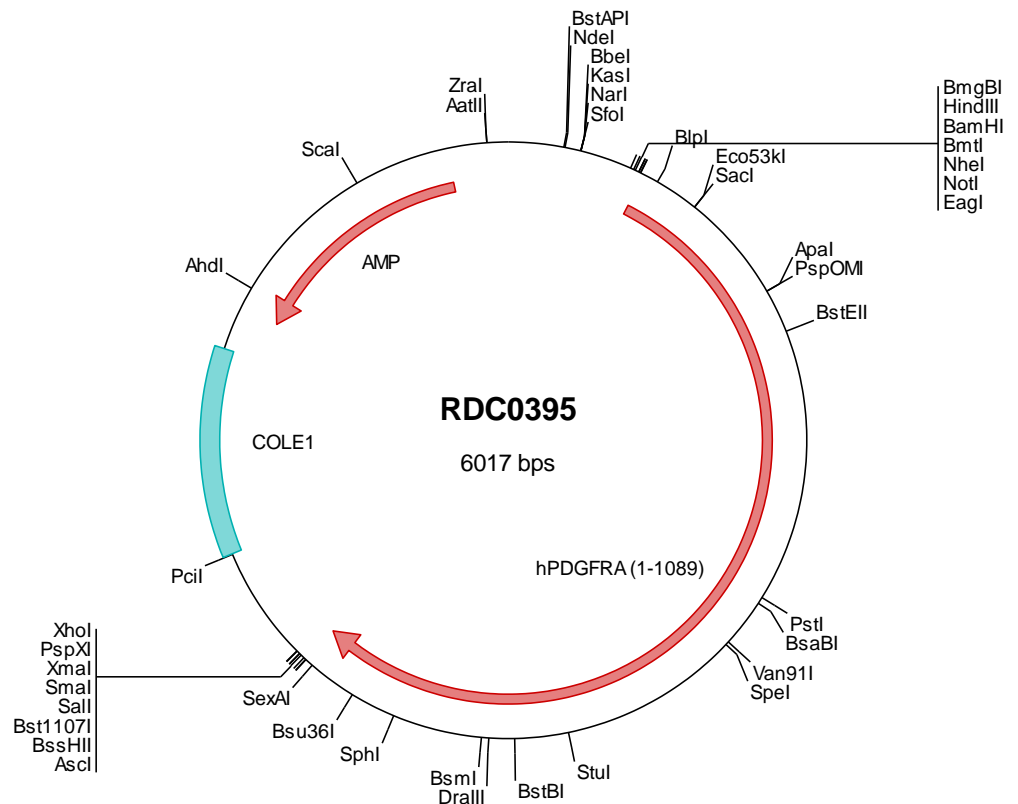
PDGFRA is a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. Members of this family of growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer. The heterodimer is composed of both platelet-derived growth factor receptor alpha and beta polypeptides. It has been suggested that PDGFRA plays a role in organ development, wound healing, and tumor progression.

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



> RDC0395 Plasmid DNA Sequence

1 tcgctcggtt cgggatgac ggtgaaacc tctgacacat gacgctccc gagacggtca cagcttgct gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg tcggggcctg cttactatg cggcatcaga gcagattgta ctgagagtc accatatgagc gtgtgaaata

> RDC0395 Translated Insert Sequence

1 mgtshpaflv lgc11tg1sl ilcqlslpsi lpenekvvq lnsfslr1cf gesevswqyp mseeessdve irneennsgl fvtvlevssa saahtglytc
101 yynhtqteen elegrhlyiy vpadvafvp lqmdtylviv edddsaiipc rtdtdepvpt lhnsegvupa sydsrqgfng tftvgpyice atvkgkkfqt