

Specifications:

Gene:	<i>h</i> GP5
Accession:	NP_004479
Insert size:	1696bp
Concentration:	10µg at 0.2µg/µL

*h*Glycoprotein V cDNA Plasmid

GP5 glycoprotein V platelet
[*Homo sapiens* (human)]

Also known as: GPV; CD42d

Summary:

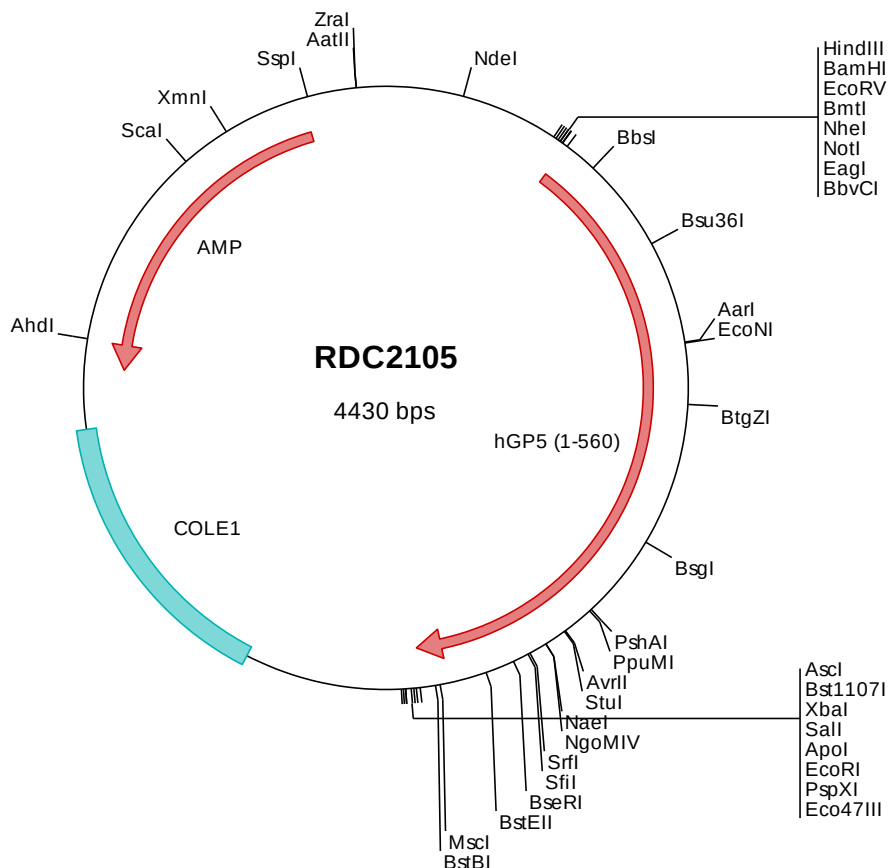
GP5 is a type I transmembrane (TM) glycoprotein of the leucine-rich repeat (LRR) family. It is expressed exclusively within the platelet/megakaryocyte lineage, where it noncovalently interacts with other platelet TM LRR proteins, GPIb alpha/beta and GP9, at a ratio of one GP5 to two of each other subunit. The GPI-V-IX complex tethers platelets to von Willebrand factor on the surface of injured endothelial cells. Absence of the complex results in Bernard-Soulier syndrome, a rare bleeding disorder.

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

> RDC2105 Plasmid DNA Sequence

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1  tcgcgcgctt cggatgatgac ggtgaaacc tctgacacat gcagctcccg gagacggtca cagcttgctc gtaagcggat gccgggagca gacaagcccg
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> RDC2105 Translated Insert Sequence

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