

Specifications:

Gene:	hPROM1
Accession:	NP_006008.1
Insert size:	2611bp
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.

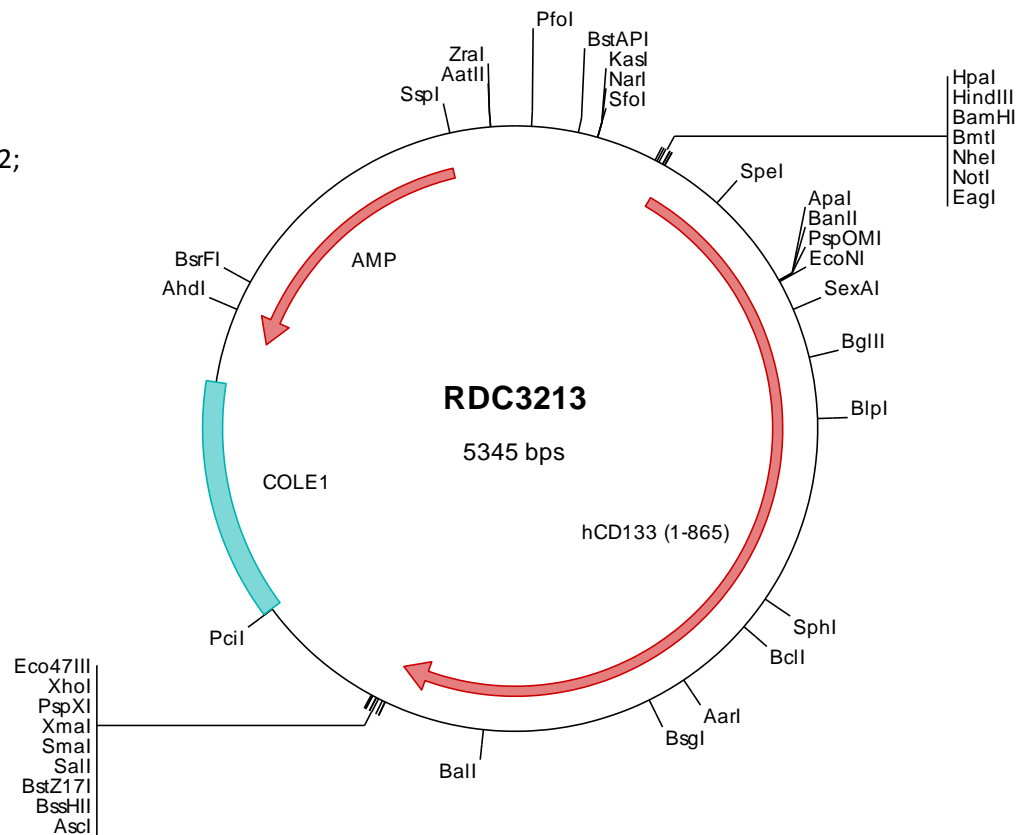
hCD133 cDNA Plasmid

PROM1 prominin 1 [*Homo sapiens* (human)]

Also known as: RP41; AC133; CD133; MCDR2; STGD4; CORD12; PROML1; MSTP061

Summary:

CD133 is a pentaspan transmembrane glycoprotein. It localizes to membrane protrusions and is often expressed on adult stem cells, where it is thought to function in maintaining stem cell properties by suppressing differentiation. Mutations in CD133 have been shown to result in retinitis pigmentosa and Stargardt disease. Expression of CD133 is also associated with several types of cancer. Alternatively spliced transcripts encoding different proteins have been described.



> RDC3213 Plasmid DNA Sequence

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1 tcgcgcgctt cggatgatgac ggtgaaaaac totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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> RDC3213 Translated Insert Sequence

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301 slndplclvh pssetcnisr lslsqlnsp elrqlppvda eldnvnnvlr tldlglvqgg yqslndipdr vqrqtttvva gikrvlnsig sldidntqrl
401 piqdilsafs yvvnntesy i hrlptleey dsywwlggglv icsl1tlivi fyy1gl1cgv cgydrhatpt trcvsvntgg vflmwvqls flfcwilimii
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701 ilqrtngnll ervtrilasl dfagnfitnn tssvlieetk kygrtiigyf ehylqwiefs atattattga agcattttac agggttattg tctccatgagc
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