

Specifications:

Gene:	mProm1
Accession:	NP_001157049.1
Insert size:	2617bp
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.

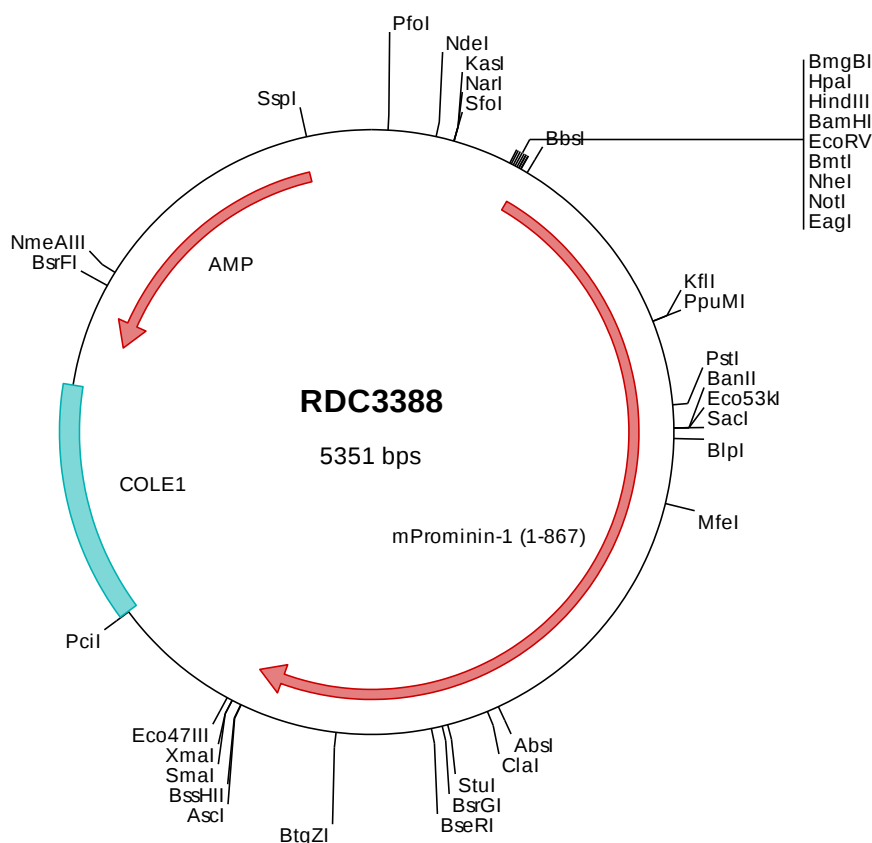
**mCD133 cDNA
Plasmid**

Prom1 prominin 1 [*Mus musculus* (house mouse)]

Also known as: P; Pro; AC13;
Prom; AC133; CD133; Prom-1;
Prom1; 4932416E19Rik

Summary:

CD133/PROM1 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.



> RDC3388 Plasmid DNA Sequence

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> RDC3388 Translated Insert Sequence

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