

Specifications:

Gene:	mPscA
Accession:	NP_082492.1
Insert size:	385bp
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.

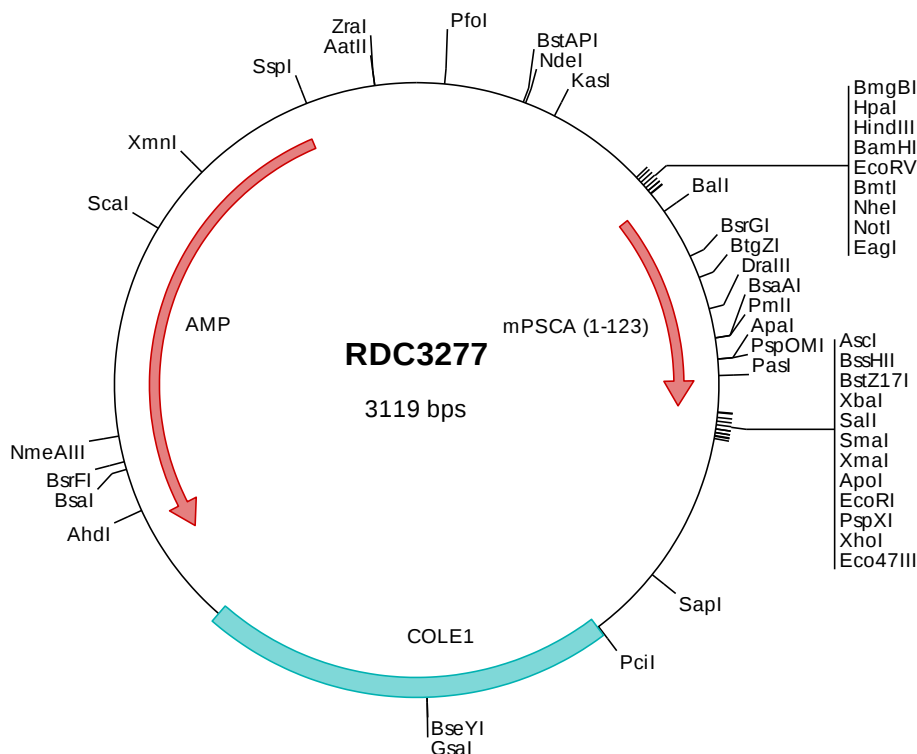
mPSCA cDNA Plasmid

PscA prostate stem cell antigen
[*Mus musculus* (house mouse)]

Also known as: 2210408B04Rik

Summary:

PSCA is a glycosylphosphatidylinositol-anchored cell membrane glycoprotein. In addition to being highly expressed in the prostate it is also expressed in the bladder, placenta, colon, kidney, and stomach. PSCA is up-regulated in a large proportion of prostate cancers and is also detected in cancers of the bladder and pancreas. It includes a polymorphism that results in an upstream start codon in some individuals; this polymorphism is thought to be associated with a risk for certain gastric and bladder cancers.



> RDC3277 Plasmid DNA Sequence

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1   tcgcgcgctt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
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> RDC3277 Translated Insert Sequence

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1   mktvffillla tylalhpkaa lqcysctagm nrrdcinvqn csldqhsctf sriraiglvt viskgcssqc eddsenyylg kknitccysd lcnvngahtl
101  kppttlglit vlcsilllws srl

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