

Specifications:

Gene:	mPTGIR
Accession:	NP_032993
Insert size:	1260bp
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.

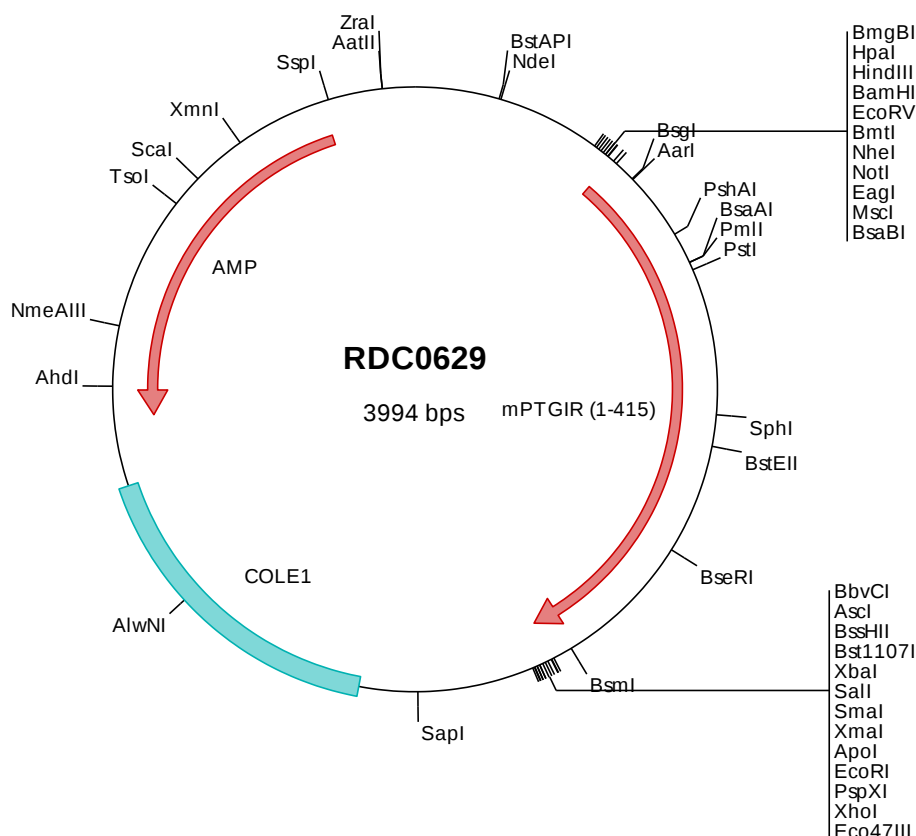
mPTGIR cDNA Plasmid

Ptgir prostaglandin I receptor
(IP) [*Mus musculus* (house mouse)]

Also known as: IP; PGI2

Summary:

PTGIR is a member of the G protein-coupled receptor family 1 and has been shown to be a receptor for prostacyclin (prostaglandin I2 or PGI2). Isoprenylation does not influence ligand binding but is required for efficient coupling to the effectors adenylyl cyclase and phospholipase C. Prostacyclin, the major product of cyclooxygenase in macrovascular endothelium, elicits a potent vasodilation and inhibition of platelet aggregation through binding to PTGIR.





> RDC0629 Plasmid DNA Sequence

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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtcggggcc tcttcgctat
301  tacgccagct ggcgaagggt ggaatgtctg caaggcgatt aagtttggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tcgctagcgc ggccgcacac atgatggcca gcgatggaca tccctggacc ccttctgtca ctccctggag
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> RDC0629 Translated Insert Sequence

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201  rmrsaqpggc afslayaslml allvtsifcc ngsvtlslsh myrqrrrhg sfvptsrare devyhlllla lmtvimavcs lplmrgftq aiapdsremg
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401  gmpskseaia acslc

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