

Specifications:

Gene:	hPTGER2
Accession:	NP_000947
Insert size:	1096bp
Concentration:	10µg at 0.2µg/µL

hPTGER2 cDNA Plasmid

PTGER2 prostaglandin E receptor 2 (subtype EP2), 53kDa [*Homo sapiens*]

Also known as: EP2

Summary:

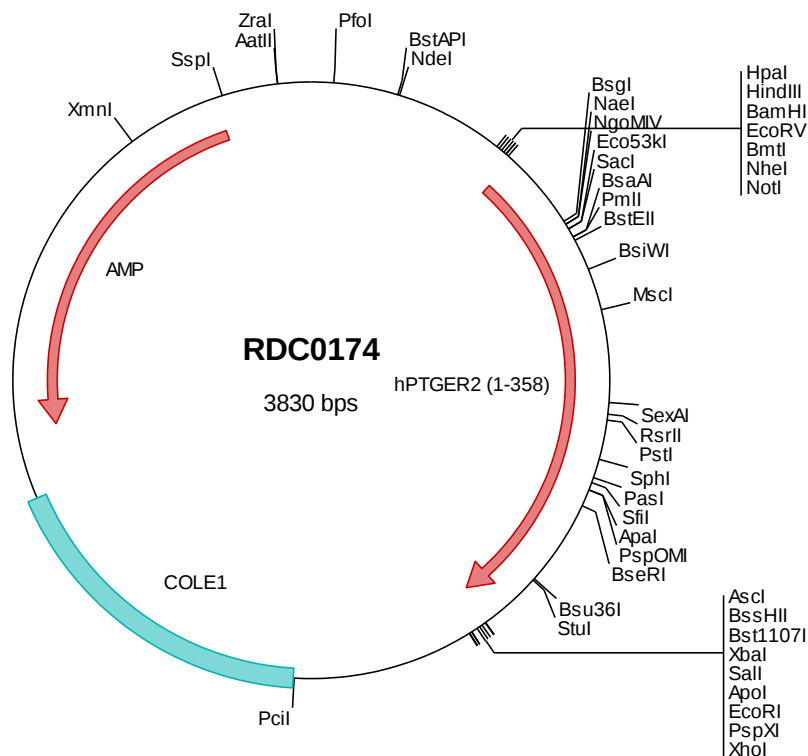
Prostaglandin E2 receptor (PTGER2) is a member of the G protein-coupled receptor family of proteins. There are four potential sites for N-linked glycosylation. PTGER2 is present in the vasculature, the gastrointestinal, tracheobronchial, and reproductive tracts, the kidney, and also in the sphincter, dilator, and ciliary muscles in the eye. PTGER2 is linked to prostaglandin E2-mediated vasodilation and smooth muscle relaxation. It is also involved in the stimulation of secretion in the stomach and small intestine, the control of intraocular pressure, and the regulation of bone resorption.

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.





> RDC0174 Plasmid DNA Sequence

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> RDC0174 Translated Insert Sequence

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