

Specifications:

Gene:	<i>h</i> BMPR2
Accession:	NP_001195
Insert size:	3129bp
Concentration:	10µg at 0.2µg/µL

*h*BMPR-II cDNA Plasmid

BMPR2 bone morphogenetic protein receptor, type II (serine/threonine kinase)
[*Homo sapiens* (human)]

Also known as: BMR2; PPH1; BMPR3; BRK-3; POVD1; T-ALK; BMPR-II

Summary:

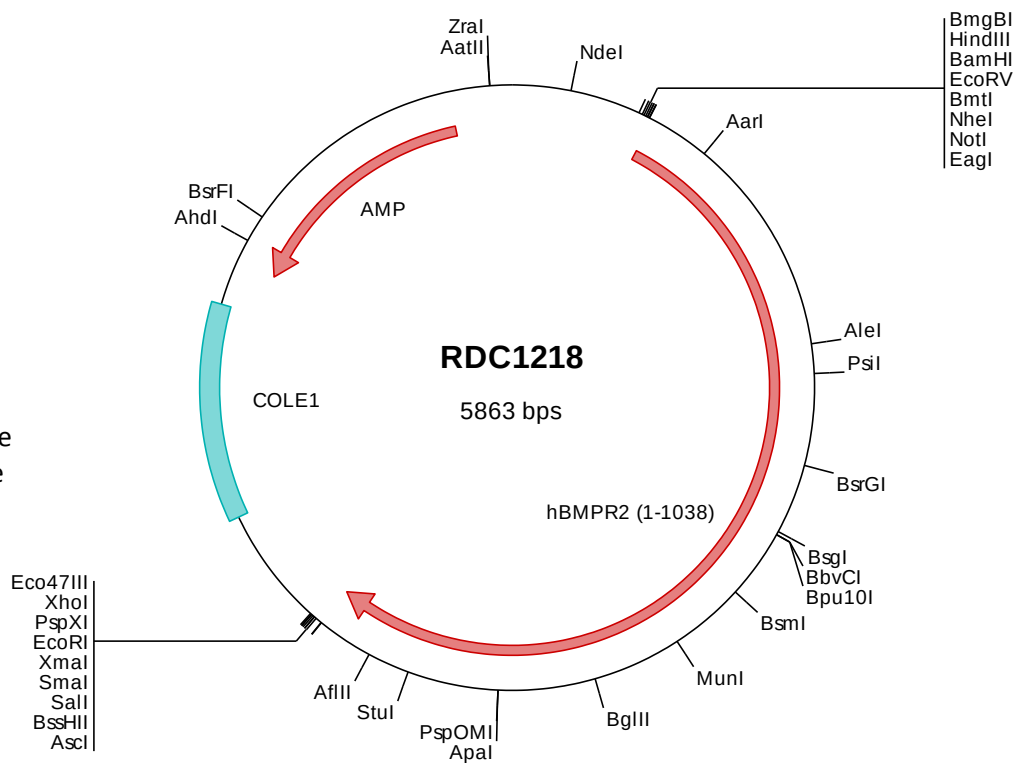
BMPR2 is a member of the bone morphogenetic protein (BMP) receptor family of transmembrane serine/threonine kinases. BMPR2 is one of the five mammalian type II receptors for the TGF β superfamily ligands. Type II receptors bind ligands in the absence of type I receptors, but they require their respective type I receptors for signaling. BMPR2 binds to BMP-7, BMP-2 and, less efficiently, BMP-4. Mutations in BMPR2 have been associated with primary pulmonary hypertension, both familial and fenfluramine-associated, and with pulmonary venoocclusive disease.

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.





> RDC1218 Plasmid DNA Sequence

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> RDC1218 Translated Insert Sequence

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