

Specifications:

Gene:	mBmpr2
Accession:	NP_031587
Insert size:	3130bp
Concentration:	10µg at 0.2µg/µL

mBMPR-II cDNA Plasmid

Bmpr2 bone morphogenetic protein receptor, type II (serine/threonine kinase) [*Mus musculus* (house mouse)]

Also known as: BMP-2; BRK-3; BMPR-2; BMPRII; BMPR-II; Gm20272; AL117858; AW546137; BB189135

Summary:

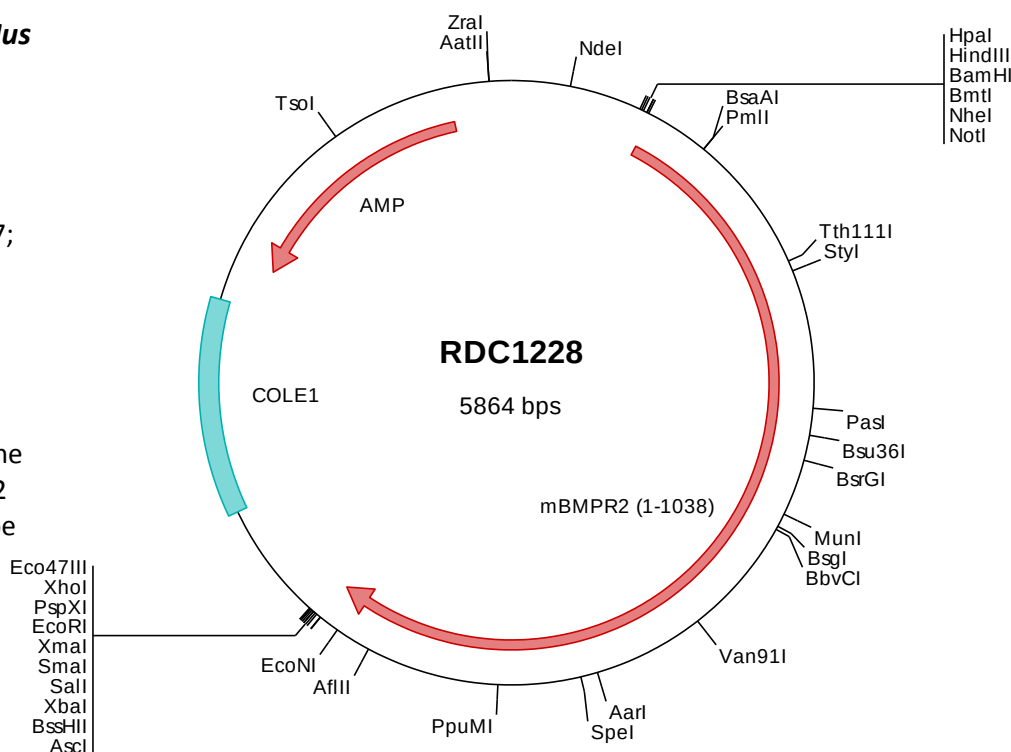
BMPR2 is a member of the bone morphogenetic protein (BMP) receptor family of transmembrane serine/threonine kinases. BMPR2 is one of the five mammalian type II receptors for the TGF β superfamily ligands. Type II receptors bind ligands in the absence of type I receptors, but they require their respective 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 and 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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC1228 Plasmid DNA Sequence

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1   tcgcgcggtt   cggatgatgac   ggtgaaaacc   tctgacacat   gcagctcccc   gagacggtca   cagcttgtct   gtaagcggat   gccgggagca   gacaagcccg
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> RDC1228 Translated Insert Sequence

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