

Specifications:

Gene:	<i>hNPR2</i>
Accession:	NP_003986.2
Insert size:	3157bp
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.

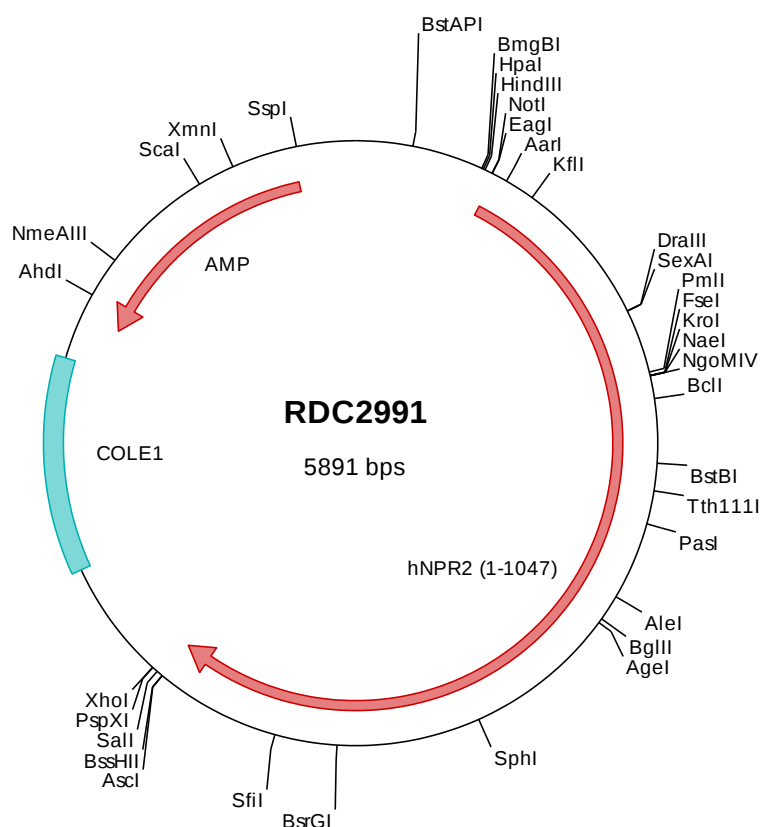
hNPRB/NPR2 cDNA Plasmid

**NPR2 natriuretic peptide
receptor 2 [*Homo
sapiens* (human)]**

Also known as: GCB; AMDM;
ANPb; ECDM; GC-B; NPRB; SNSK;
ANPRB; GUC2B; NPRBi; GUCY2B

Summary:

NPR2 is one of two integral membrane receptors for natriuretic peptides. It is the primary receptor for C-type natriuretic peptide (CNP), which upon ligand binding exhibits greatly increased guanylyl cyclase activity. Mutations in NPR2 are the cause of acromesomelic dysplasia Maroteaux type.



> RDC2991 Plasmid DNA Sequence

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> RDC2991 Translated Insert Sequence

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201  qvyareppar eqathfiran grivycgpl emlheiliga vffylfdvfe slragptrat grpwgdnrtr eqagqlreaf qvltvityre qvltvityre
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501  fgnseryhkg asrlltislr gssygsllmta hkyqifant khvnnkriel mrdvgfnhlt rfigacidpp qvklfirfn keggtsildn
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