

Specifications:

Gene:	<i>hTNFRSF11B</i>
Accession:	AAB53709
Insert size:	1218bp
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.

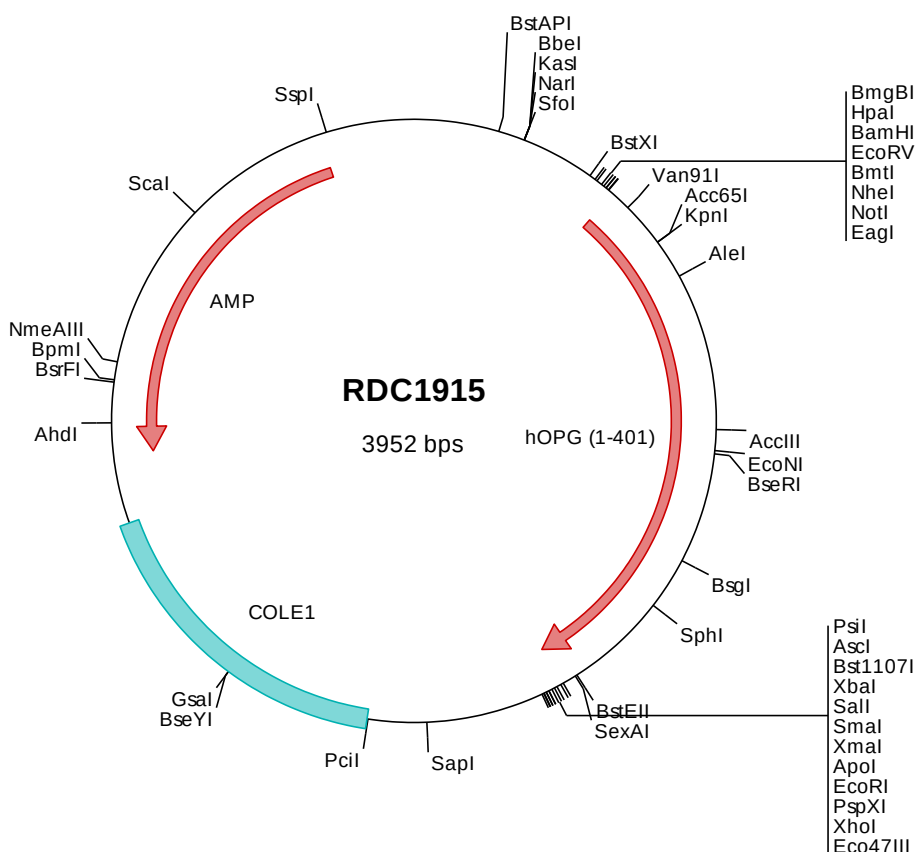
hOPG/TNFRSF11B cDNA Plasmid

**TNFRSF11B TNF receptor
superfamily member 11b
[*Homo sapiens* (human)]**

Also known as: OPG; TR1; OCIF;
PDB5

Summary:

OPG is a secreted TNF superfamily receptor that regulates bone density. OPG is widely expressed and constitutively released as a homodimer by mesenchymal stem cells, fibroblasts, and endothelial cells. OPG functions as a decoy receptor for TRANCE/RANK L and TRAIL. Dysregulation of OPG/TRANCE interactions can lead to juvenile Paget's disease, osteoporosis, bone loss, and vascular calcification. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1915 Plasmid DNA Sequence

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> RDC1915 Translated Insert Sequence

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401  1

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