

**Specifications:**

Gene:	hGDF11
Accession:	NP_005802.1
Insert size:	1237bp
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.

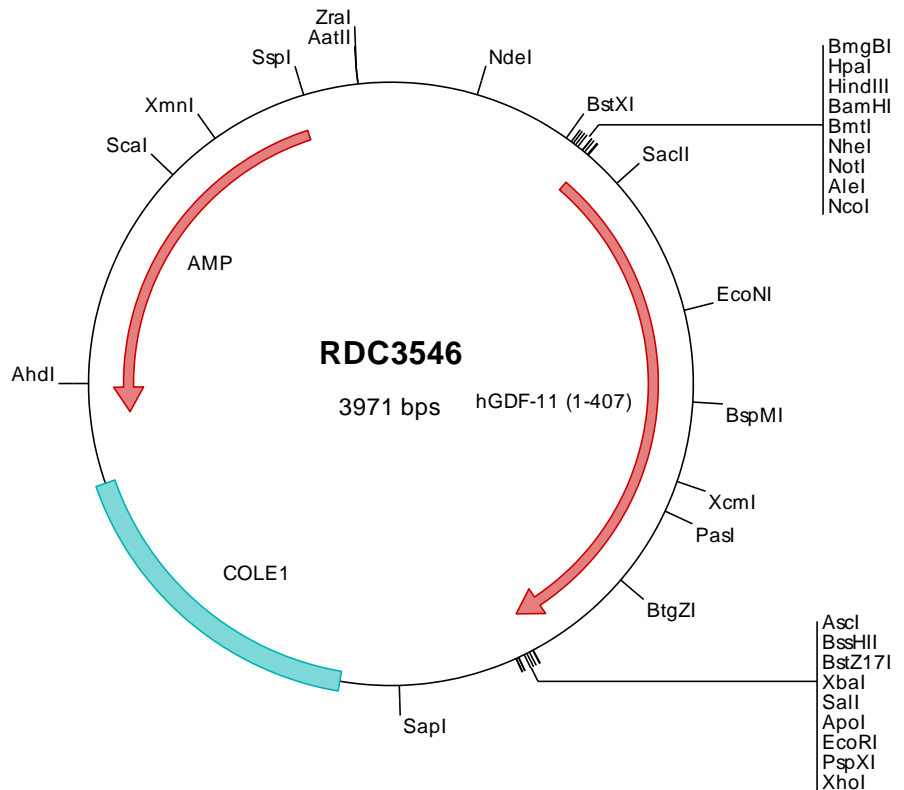
## hGDF-11/BMP-11 cDNA Plasmid

**GDF11 growth differentiation factor 11 [ *Homo sapiens* (human) ]**

**Also known as:** VHO; BMP11; BMP-11

**Summary:**

GDF11 is a secreted ligand of the transforming growth factor-beta (TGF-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. GDF11 is proteolytically processed to generate each subunit of the disulfide-linked homodimer. It plays a role in the development of the nervous and other organ systems and may regulate aging.



> RDC3546 Plasmid DNA Sequence

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1 tcgctgcttt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccggggagca gacaagcccc
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201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgcatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
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> RDC3546 Translated Insert Sequence

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1 mvlaapl1lg fillalelrp rgeaaegpaa aaaaaaaaa agvngerssr papsvapepd gcpcvwrqh srelrlesik sqilsklr1k eapnisrevv
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201 kpltgegtq gggggrrhir irskielhs rshwqsidf kvvlhswfrq pqsnwgiein afdpsgtdla vtslpggaeg lhpfmelrvl entkrsrnl
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401 vdrccgs

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