

Specifications:

Gene:	hGDF6
Accession:	NP_001001557.1
Insert size:	1380bp
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.

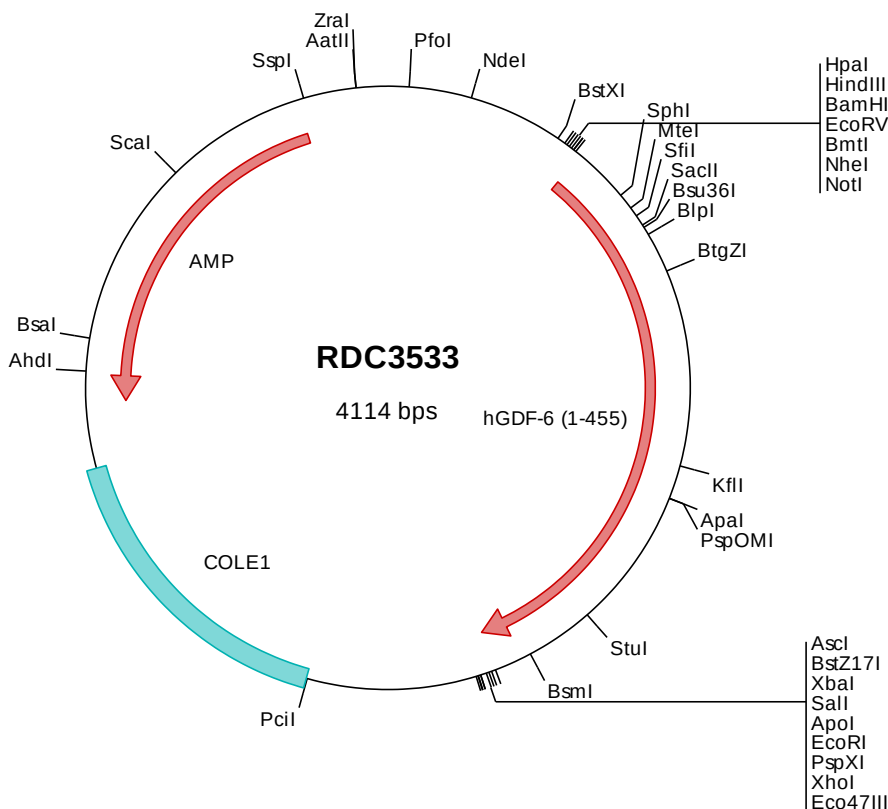
hGDF-6 cDNA Plasmid

GDF6 growth differentiation factor 6 [*Homo sapiens* (human)]

Also known as: KFM; KFS; KFS1; KFSL; SGM1; BMP13; CDMP2; SYNS4; BMP-13

Summary:

GDF6 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. GDF6 is proteolytically processed to generate each subunit of the disulfide-linked homodimer. It is required for normal formation of some bones and joints in the limbs, skull, and axial skeleton. Mutations in GDF6 are associated with Klippel-Feil syndrome, microphthalmia, and Leber congenital amaurosis.



> RDC3533 Plasmid DNA Sequence

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201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgtggta acgccagggt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacac atggatactc ccagggtcct gctctcgccc gtcttctca tcagttttct
501  gtgggatttg ccgggtttcc agcaggcttc catctcatcc tctctgctgt ccgccagctc gggttccacc aagggcatgc gaagccgcaa ggaagcgaag
601  atgcagcggg ccgcgcgcga cagtgcgcgc ggcggggagg gccaggaacc acagccgcgc cctcaggacg aaccccgggc tcagcagccc cgggcgcagg
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> RDC3533 Translated Insert Sequence

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201  tldpqgappa gwefvfdvwg lrhqpwkqlc lelraawgel dageaeerar gpqpppppd1 rslgfgrrvr ppqerallvv ftrsqrknlf aemreqlgsa
301  eaagpgagae gswpppsgap darpwlpspg rrrrrtafas rhgkrhggks rlrscskplh vnfkelgwdi wiiaopleya yhcgcvcdfp lrshleptnh
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