

Specifications:

Gene:	hBMP3
Accession:	NP_001192
Insert size:	1432bp
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.

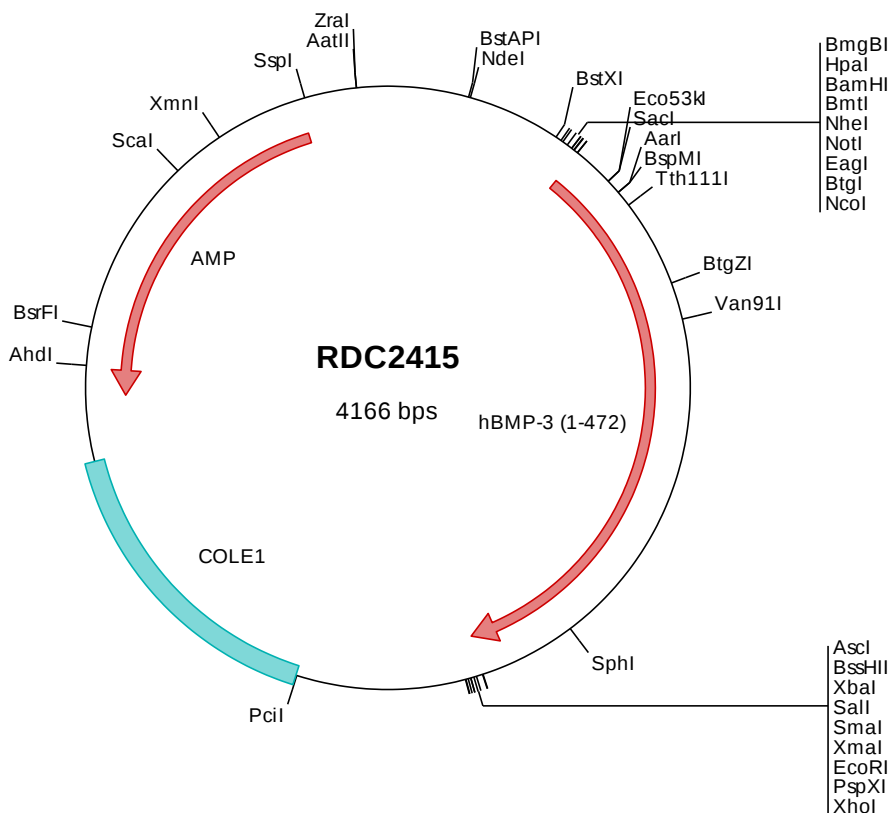
hBMP-3 cDNA Plasmid

BMP3 bone morphogenetic protein 3 [*Homo sapiens* (human)]

Also known as: BMP-3A

Summary:

BMP-3 is a secreted ligand of the TGF-beta (transforming growth factor-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. BMP-3 is proteolytically processed to generate each subunit of the disulfide-linked homodimer. BMP-3 suppresses osteoblast differentiation, and negatively regulates bone density, by modulating TGF-beta receptor availability to other ligands.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2415 Plasmid DNA Sequence

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1   tcgcgcgttt  cggatgatgac  ggtgaaaacc  totgacacat  gcagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
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> RDC2415 Translated Insert Sequence

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