

Specifications:

Gene:	hBMPR1B
Accession:	NP_001194
Insert size:	1521bp
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.

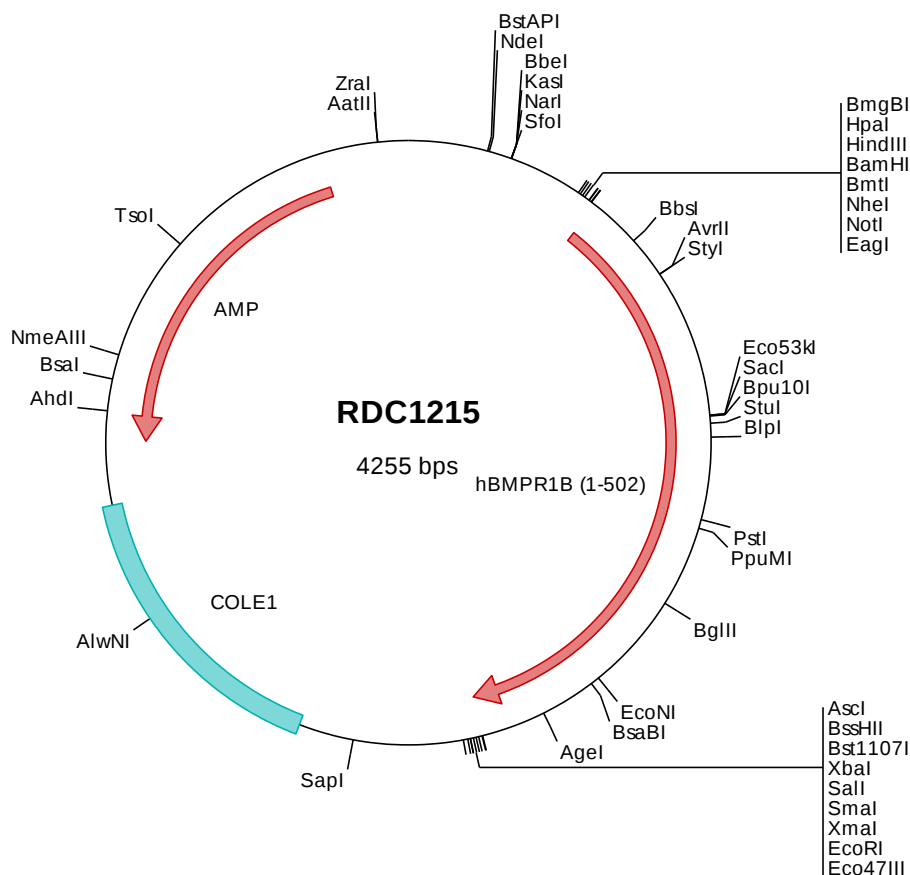
hBMPR-1B/ALK-6 cDNA Plasmid

BMPR1B bone morphogenetic protein receptor, type IB [*Homo sapiens* (human)]

Also known as: ALK6; ALK-6; CDw293

Summary:

BMPR1B is one of seven known type I serine/threonine kinases that are required for the signal transduction of TGF β family cytokines. In contrast to the TGF β receptor system in which the type I receptor does not bind TGF β in the absence of the type II receptor, type I receptors involved in BMP signaling, including BMPR1B, can independently bind the various BMP family proteins in the absence of type II receptors. BMPR1B is expressed in various tissues during embryogenesis. In adult tissues, BMPR1B is only found in the brain. Alternatively spliced transcripts encoding different proteins have been described.





> RDC1215 Plasmid DNA Sequence

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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggateccgata tcgctagcgc ggccgccacc atgcttttgc gaagtgcagg aaaattaaat gtgggcacca agaaagagga
501  tggtagaggt acagccacca ccccccgtcc aaaggctctg cgttgtaaat gccaccacca ttgtccagaa gactcagtoa acaatatttg cagcacagac
601  ggatatgttt tcacgatgat agaagaggat gaactctgggt tgctctgggt caettctgggt tgctagggac tagaaggctc agattttcoag tgcggggaca
701  ctcccatccc tcatacaaga agatcaattg aatgctgcac agaaaggaaac gaattgtaata aagacctaca ccctacactg cctccattga aaaacagaga
801  ttttggtagt ggacctatac accacagggc tttacttata totgtgactg totgtagttt gctcttggto cttatcoatat tattttgtta cttccgggat
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> RDC1215 Translated Insert Sequence

```
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201  akqigmvqki gkgrygevwm gkwrgekav kvfftteas wfreteiygt vlmrhenilg fiaadikgtg swtqlylitd yhengslidy lksttldaks
301  mklayssvs glchlhtheif stgqkpaiah rdlksknily kkngtcciad lglaavkfisd tnevdiptnt rvgtkrymp evldeslnrn hfqsyimadm
401  ysfglillev arrcvsggiv eeyqlpyhdl vpsdpsyedm reivcikkrl psfpnrwssd eclrqmgklm tecwahnpsa rltalrvkkt lakmsesqdi
501  kl
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