

**Specifications:**

Gene:	hACVR2B
Accession:	NP_001097
Insert size:	1552bp
Concentration:	10µg at 0.2µg/µL

**hActivin RIIB cDNA  
Plasmid**

**ACVR2B activin A receptor type  
IIB [ *Homo sapiens* (human) ]**

**Also known as:** HTX4; ACTRIIB;  
ActR-IIB

**Summary:**

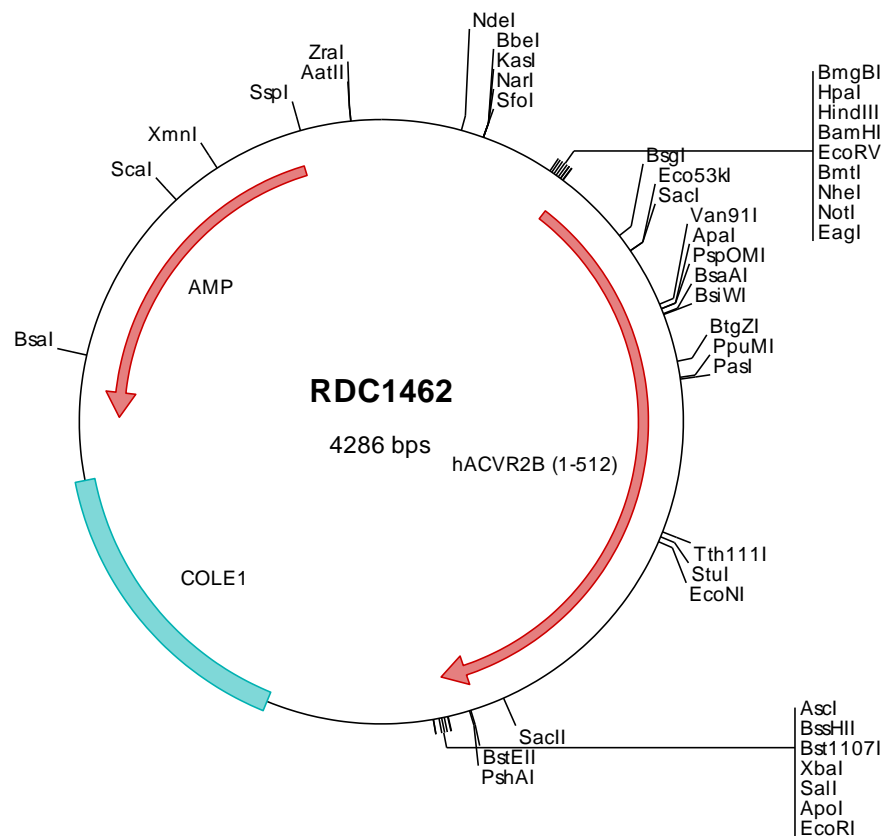
Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of structurally related signaling proteins. Type I receptors are essential for signaling; and type II receptors are required for binding ligands and for expression of type I receptors. Type I and II receptors form a stable complex after ligand binding, resulting in phosphorylation of type I receptors by type II receptors. ACVR2B is a type II receptor and displays a 3- to 4-fold higher affinity for the ligand than activin A type II receptor.

**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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1462 Plasmid DNA Sequence

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> RDC1462 Translated Inert Sequence

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