

## Specifications:

Gene:	hEphB1
Accession:	NP_004432
Insert size:	2967bp
Concentration:	10µg at 0.2µg/µl

## hEphB1 cDNA Plasmid

### EPHB1 EPH receptor B1 [ *Homo sapiens* ]

**Also known as:** ELK; NET;  
Hek6; EPHT2

#### Summary:

EphB1 belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. Eph and Eph-related receptors have been implicated in mediating developmental events, particularly in the nervous system. EphB1 is a receptor for ephrin-B family members and mediates embryonic vascular system development and adult angiogenesis. This receptor may be involved in carcinogenesis of the digestive tract. It has been suggested that EphB1 polymorphisms may also be associated with susceptibility to hepatocellular carcinoma.

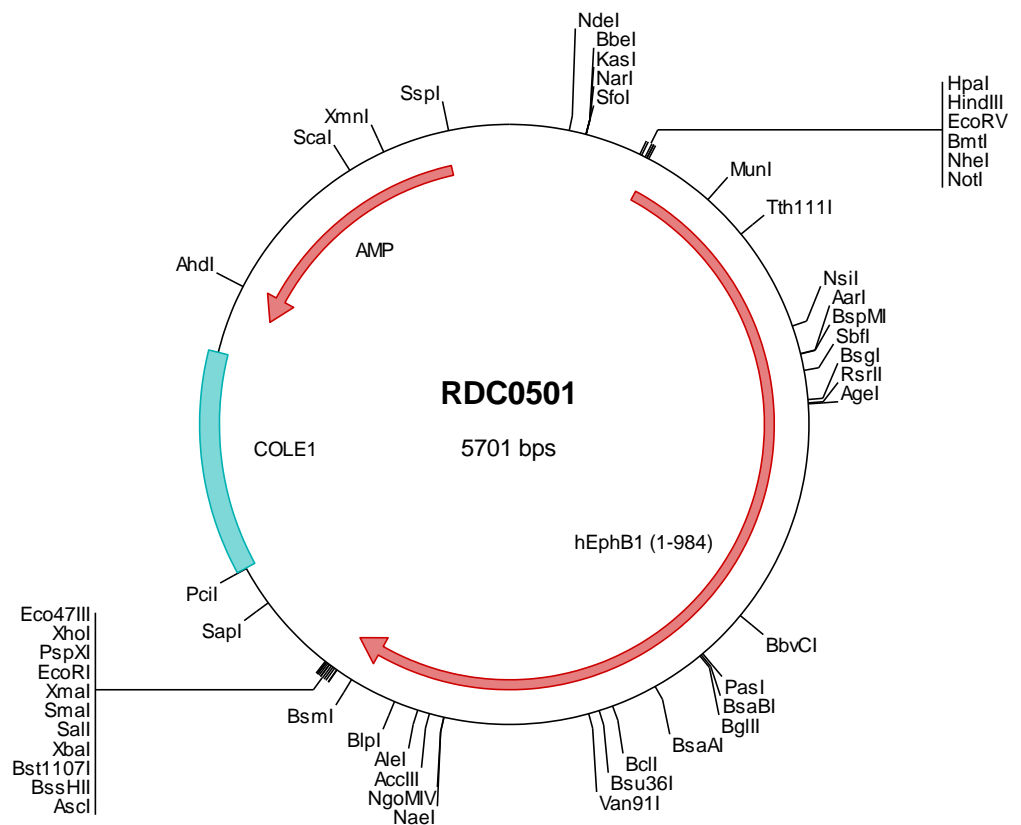
## Description

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

**Shipping** cDNA is provided in 10 mM Tris-Cl, pH 8.5. It normally ships at ambient temperature.

**Stability & Storage** 1 year upon receipt when stored at -20 to -80° C  
Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



## > RDC0501 Plasmid DNA Sequence

```
1 tcgcgcgctt cggatgatgac ggtgaaaaac tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
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201 ccgcacagat gcgtaaggag aaaataccgc atcagggccc attcgccatt caggtctgcg aactgtttgg aagggcgatc ggtgccccgc tcttcgctat
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5701 c
```

## > RDC0501 Translated Insert Sequence

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701 engaldsflr qndgqftviq lvgmlrgiaa gmkylaemny vhrdlaarni lvnsnlvkvk sdfglrsrylq dtdsdpptyt slggkipvrw tapeaiayrk
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