

## Specifications:

Gene:	hBDNF
Accession:	NP_001700.2
Insert size:	757bp
Concentration:	10µg at 0.2µg/µL

## hBDNF cDNA Plasmid

**BDNF brain derived neurotrophic factor [ *Homo sapiens* (human) ]**

**Also known as:** ANON2; BULN2

### Summary:

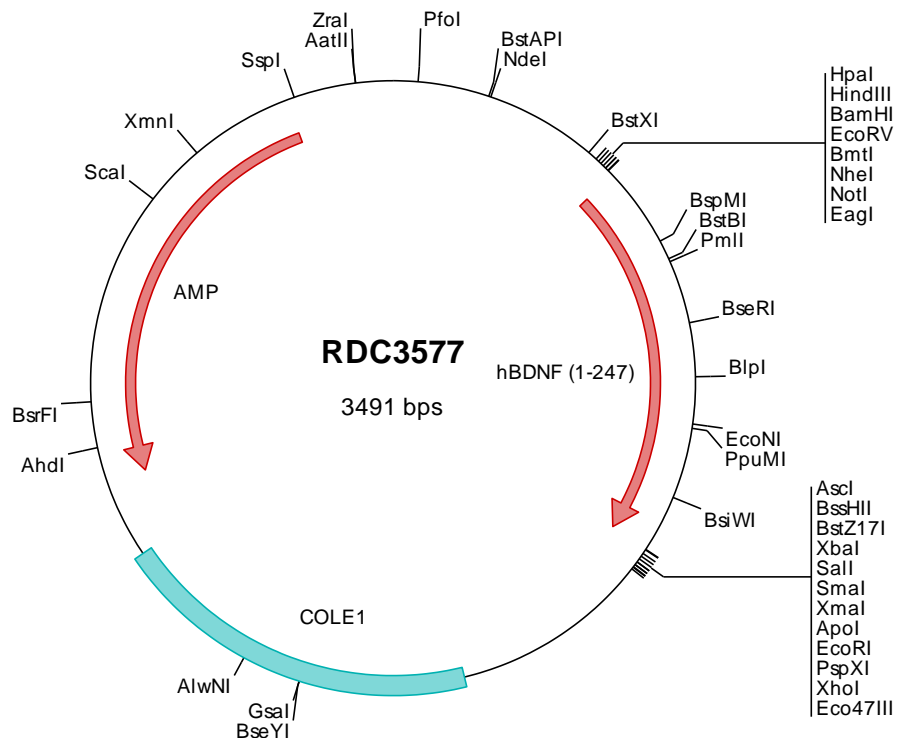
BDNF is a member of the nerve growth factor family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature protein. Binding of BDNF to its cognate receptor promotes neuronal survival in the adult brain. Expression of BDNF is reduced in Alzheimer's, Parkinson's, and Huntington's disease patients. BDNF may play a role in the regulation of the stress response and in the biology of mood disorders.

## 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.



> RDC3577 Plasmid DNA Sequence

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1   tcgctgcttt  cggatgatgac  ggtgaaaaacc  totgacacat  gcaagctcccg  gagacgggtca  cagcttgtct  gtaagcggat  gccggggagca  gacaagcccg
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> RDC3577 Translated Insert Sequence

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201  krhwnsqcrt  tqsyvraltm  dskkrigwrf  iridtsvcvt  ltkrgr

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