

## Specifications:

Gene:	hErbB3
Accession:	NP_001973
Insert size:	4073bp
Concentration:	10µg at 0.2µg/µL

## hErbB3/Her3 cDNA Plasmid

**ERBB3 v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian) [ *Homo sapiens* ]**

**Also known as:** HER3; LCCS2; ErbB-3; c-erbB3; erbB3-S; MDA-BF-1; p180-ErbB3; p45-sErbB3; p85-sErbB3

### Summary:

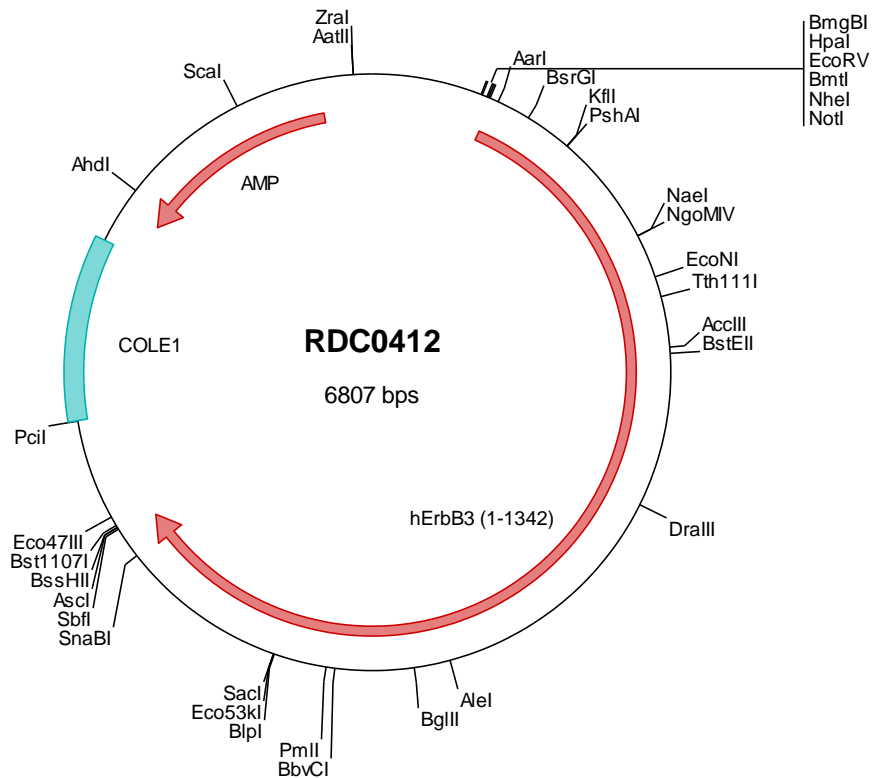
ErbB3 is a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. It has a neuregulin binding domain but not an active kinase domain. It can bind neuregulin and not transmit a signal through protein phosphorylation. ErbB3 heterodimerizes with other EGF receptor family members that have kinase activity. Heterodimerization leads to the activation of pathways which lead to cell proliferation or differentiation.

## 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.





## > RDC0412 Plasmid DNA Sequence

```
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> RDC0412 Translated Insert Sequence

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