

Specifications:

Gene:	cynoERBB2
Accession:	XP_005584091.2
Insert size:	3781bp
Concentration:	10µg at 0.2µg/µL

cynoErbB2/Her2 cDNA Plasmid

ERBB2 erb-b2 receptor tyrosine kinase 2 [*Macaca fascicularis* (crab-eating macaque)]

Summary:

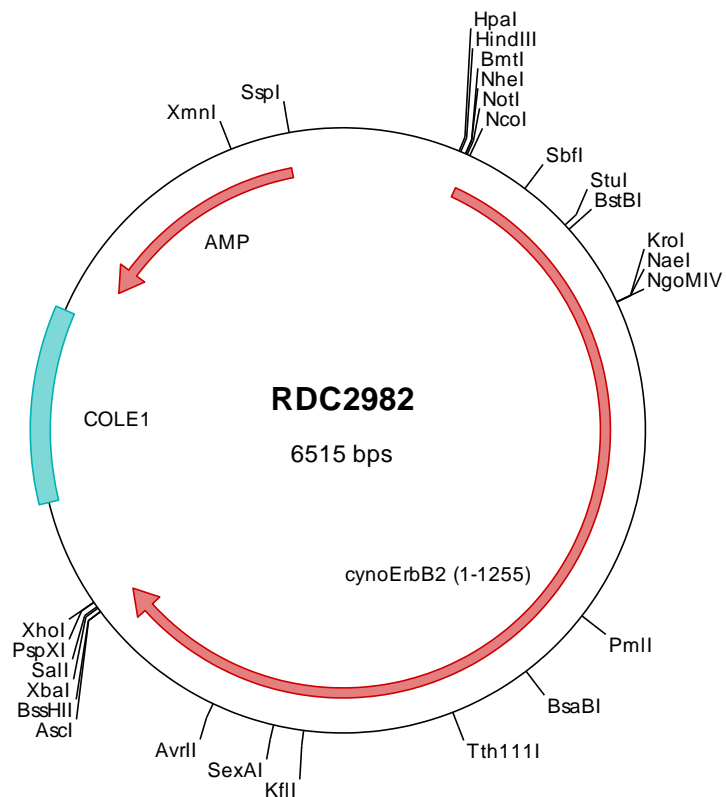
ErbB2 is a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. It has no ligand binding domain of its own. It binds to other ligand-bound EGF receptor family members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signaling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Overexpression of ErbB2 has been reported in numerous cancers, including breast and ovarian tumors.

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.



> RDC2982 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaaacc totgacacat gcagctcccg gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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> RDC2982 Translated Insert Sequence

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