

Specifications:

Gene:	rEgfr
Accession:	NP_113695.1
Insert size:	3643bp
Concentration:	10µg at 0.2µg/µL

rEGFR cDNA Plasmid

Egfr epidermal growth factor receptor [*Rattus norvegicus* (Norway rat)]

Also known as: Errp; ERBB1; ErbB-1

Summary:

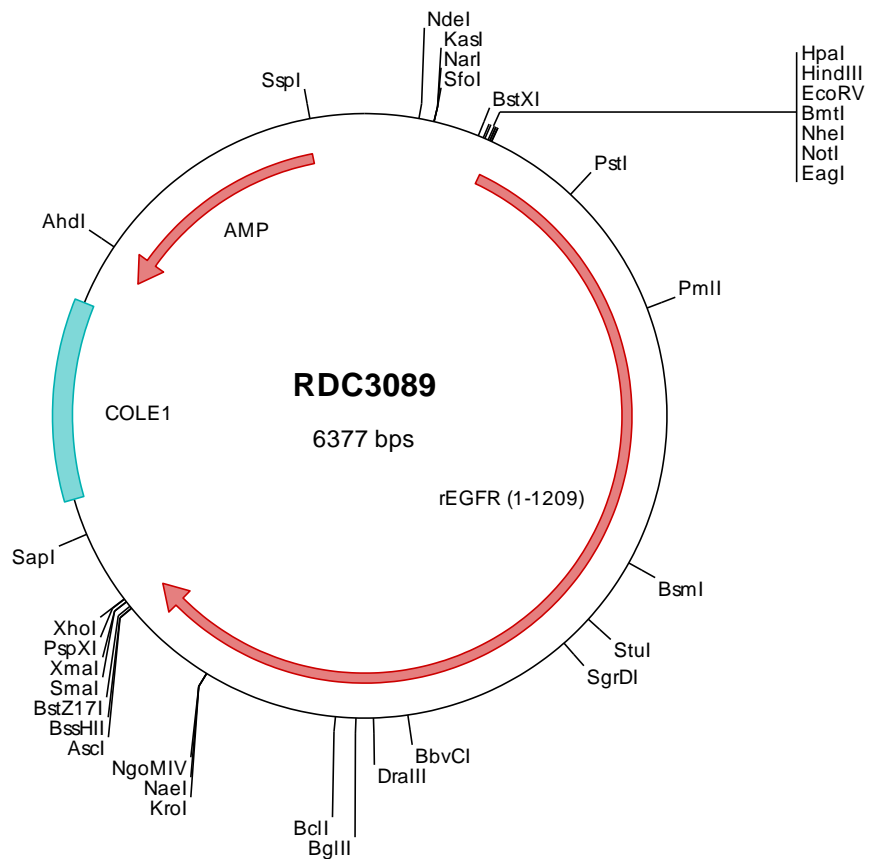
EGFR is a transmembrane glycoprotein that is a member of the protein kinase subfamily. EGFR binds to epidermal growth factor and induces EGFR homodimerization as well as heterodimerization with ErbB2, resulting in kinase activation, heterodimerization tyrosine phosphorylation, and cell signaling. EGFR signaling regulates multiple biological functions including cell proliferation, differentiation, motility, and apoptosis. EGFR is overexpressed in a wide variety of tumors and is a target of several anti-cancer drugs.

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

