

Specifications:

Gene:	<i>h</i> IL2RG
Accession:	NP_000197
Insert size:	1123bp
Concentration:	10 μ g at 0.2 μ g/ μ L

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.

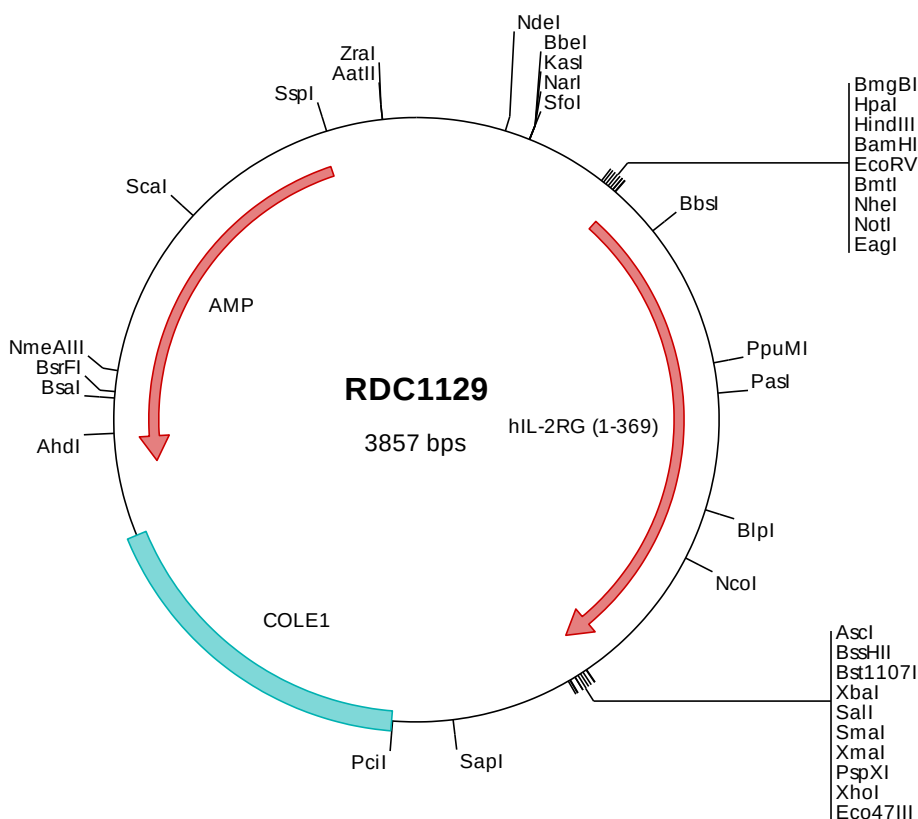
*h*Common γ Chain cDNA Plasmid

IL2RG interleukin 2 receptor, gamma [*Homo sapiens* (human)]

Also known as: P64; CIDX; IMD4; CD132; SCIDX; IL-2RG; SCIDX1

Summary:

IL2RG/Common gamma chain belongs to the hematopoietin receptor family. It is a gamma chain of the IL-2 receptor complex. Although IL2RG by itself does not bind IL-2 with any appreciable affinity, it is required for IL-2 receptor signaling. Besides IL-2, the gamma chain has been shown to be a component of the functional receptor complexes for IL-4, IL-7, IL-9, and IL-15. Mutations in IL2RG cause X-linked severe combined immunodeficiency (XSCID), as well as X-linked combined immunodeficiency (XCID), a less severe immunodeficiency disorder.





> RDC1129 Plasmid DNA Sequence

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> RDC1129 Translated Insert Sequence

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