

Specifications:

Gene:	mPilra
Accession:	NP_705730
Insert size:	922bp
Concentration:	10µg at 0.2µg/µL

mPILR-α cDNA Plasmid

**Pilra paired immunoglobulin-like
type 2 receptor alpha [*Mus
musculus* (house mouse)]**

Also known as: FDF03; AV021745

Summary:

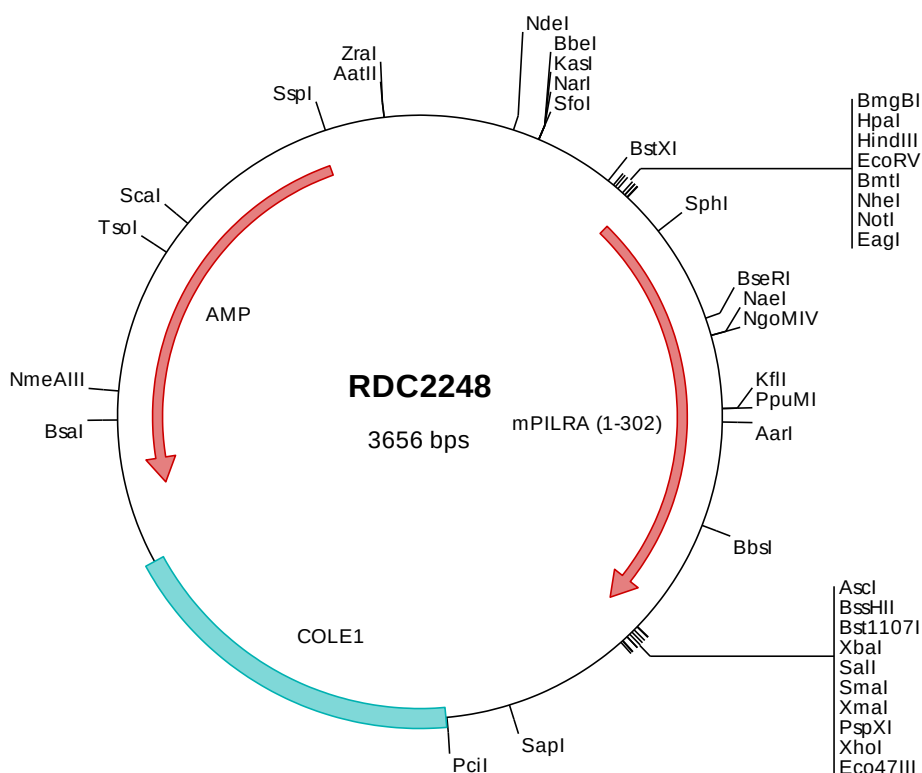
PILRA is involved in the regulation of the immune system. It is thought to act as a cellular signaling inhibitory receptor by recruiting cytoplasmic phosphatases like PTPN6/SHP-1 and PTPN11/SHP-2 via their SH2 domains that block signal transduction through dephosphorylation of signaling molecules. PILRA is predominantly detected in hemopoietic tissues and is expressed in monocytes, macrophages, and granulocytes, but not lymphocytes.

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.



> RDC2248 Plasmid DNA Sequence

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> RDC2248 Translated Insert Sequence

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301  ak

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