

Specifications:

Gene:	<i>hPTPRF</i>
Accession:	NP_569707
Insert size:	5710bp
Concentration:	10µg at 0.2µg/µL

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.

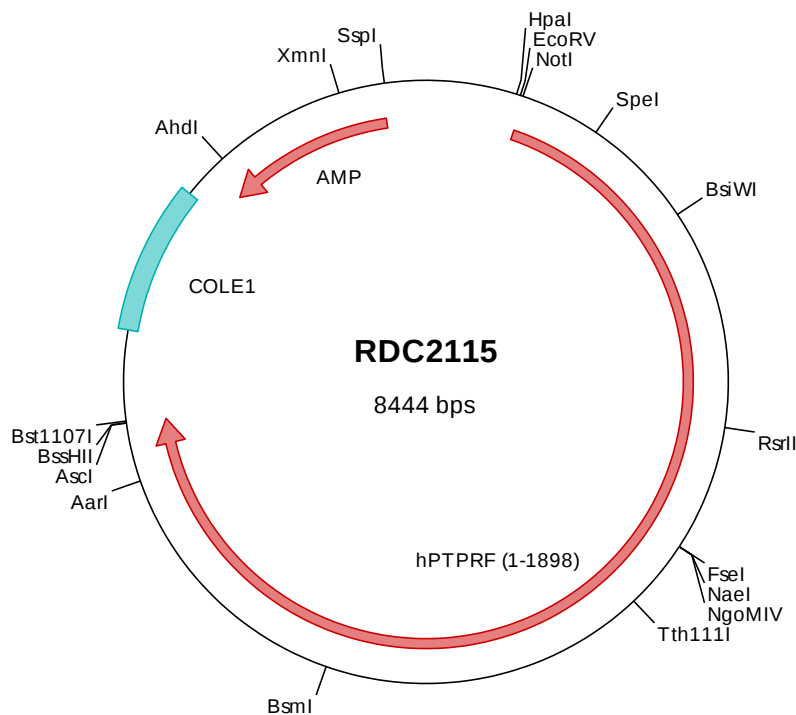
hLAR cDNA Plasmid

**PTPRF protein tyrosine
phosphatase, receptor type F
[*Homo sapiens* (human)]**

Also known as: LAR; BNAH2

Summary:

PTPRF is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. PTPRF was shown to function in the regulation of epithelial cell-cell contacts at adherents junctions, as well as in the control of beta-catenin signaling. An increased expression level of PTPRF was found in the insulin-responsive tissue of obese, insulin-resistant individuals, and may contribute to the pathogenesis of insulin resistance.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2115 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacgggtca cagcttgctc gtaagcggat gccgggagca gacaagcccg
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301  tacgcccagct ggcgaaaagg ggaatgtctg caaggcgatt tcgctagcgc atggcccgct agggaggacg atggtgcccc ttgtgctcgc
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> RDC2115 Translated Insert Sequence

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