

Specifications:

Gene:	hTNFSF14
Accession:	NP_003798
Insert size:	736bp
Concentration:	10µg at 0.2µg/µL

hLIGHT/TNFSF14 cDNA Plasmid

**TNFSF14 tumor necrosis factor
(ligand) superfamily, member 14
[*Homo sapiens* (human)]**

Also known as: LTg; TR2; CD258;
HVEM; LIGHT

Summary:

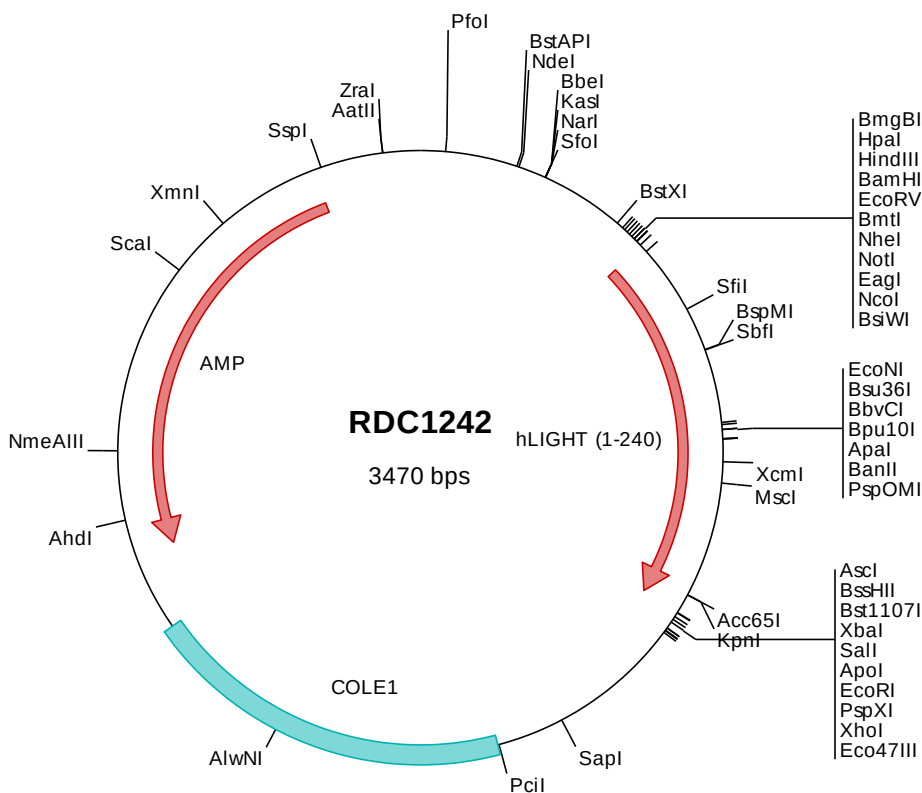
LIGHT is a member of the tumor necrosis factor (TNF) superfamily. It is expressed by activated lymphocytes, natural killer cells, immature dendritic cells, monocytes, and granulocytes. LIGHT binds and signals via the herpes virus entry mediator (HVEM/TNFRSF14) and the lymphotoxin β receptor (LTβ R/TNFRSF3). Signaling from LTβ R induces apoptosis and the production of various cytokines. Signaling from HVEM co-stimulates T-helper cell type 1 (TH1) immune responses, enhances Cytotoxic T Lymphocytes (CTL)-mediated tumor immunity, and regulates allogeneic T cell activation and allograft rejection.

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.





> RDC1242 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcagggcgcg tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
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> RDC1242 Translated Insert Sequence

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