

Specifications:

Gene:	mCd40lg
Accession:	NP_035746
Insert size:	796bp
Concentration:	10µg at 0.2µg/µL

mCD40 Ligand cDNA Plasmid

Cd40lg CD40 ligand [*Mus musculus* (house mouse)]

Also known as: IGM; IMD3; Ly62; TRAP; gp39; CD154; Cd40l; HIGM1; Ly-62; T-BAM; CD40-L; Tnfsf5

Summary:

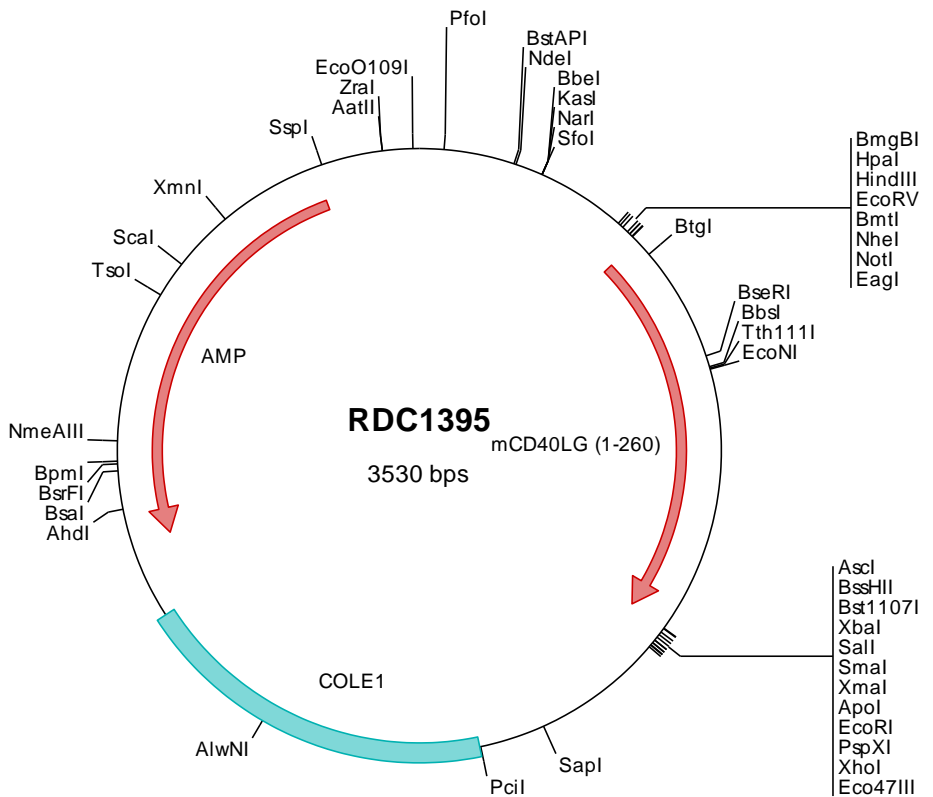
CD40LG is a member of the TNF family. CD40LG is expressed predominantly on activated CD4⁺ T lymphocytes, and also found in other types of cells, including NK cells, mast cells, basophils and eosinophils. CD40LG mediates a range of activities on B cells including induction of activation associated surface antigen, entry into the cell cycle, isotype switching, Ig secretion, and memory generation. A defect in CD40LG results in an inability to undergo immunoglobulin class switch and is associated with hyper-IgM syndrome.

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

> RDC1395 Plasmid DNA Sequence

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1   tcgcgcgctt  cggatgatgac  ggtgaaaacc  totgacacat  gcagctcccc  gagacgggtc  cagcttgtct  gtaagcggat  gccggggagca  gacaagcccc
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> RDC1395 Translated Insert Sequence

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