

### Specifications:

|                |                  |
|----------------|------------------|
| Gene:          | <i>hIGLL1</i>    |
| Accession:     | NP_064455        |
| Insert size:   | 655bp            |
| Concentration: | 10µg at 0.2µg/µL |

## ***h*Lambda5/IGLL1 cDNA Plasmid**

**IGLL1 immunoglobulin lambda like polypeptide 1 [ *Homo sapiens* (human) ]**

**Also known as:** IGO; 14.1; AGM2; IGL1; IGL5; IGLL; IGVPB; CD179b; VPB2; IGL14.1

### Summary:

IGLL1 is a member of the immunoglobulin gene superfamily. It is one of the surrogate light chain subunits of the preB cell receptor. The preB cell receptor is found on the surface of proB and preB cells, where it is involved in transduction of signals for cellular proliferation, differentiation from the proB cell to the preB cell stage, allelic exclusion at the Ig heavy chain gene locus, and promotion of Ig light chain gene rearrangements. Mutations in IGLL1 can result in B cell deficiency and agammaglobulinemia, an autosomal recessive disease in which few or no gamma globulins or antibodies are made. Alternatively spliced transcripts encoding different proteins have been described.

FOR RESEARCH USE ONLY

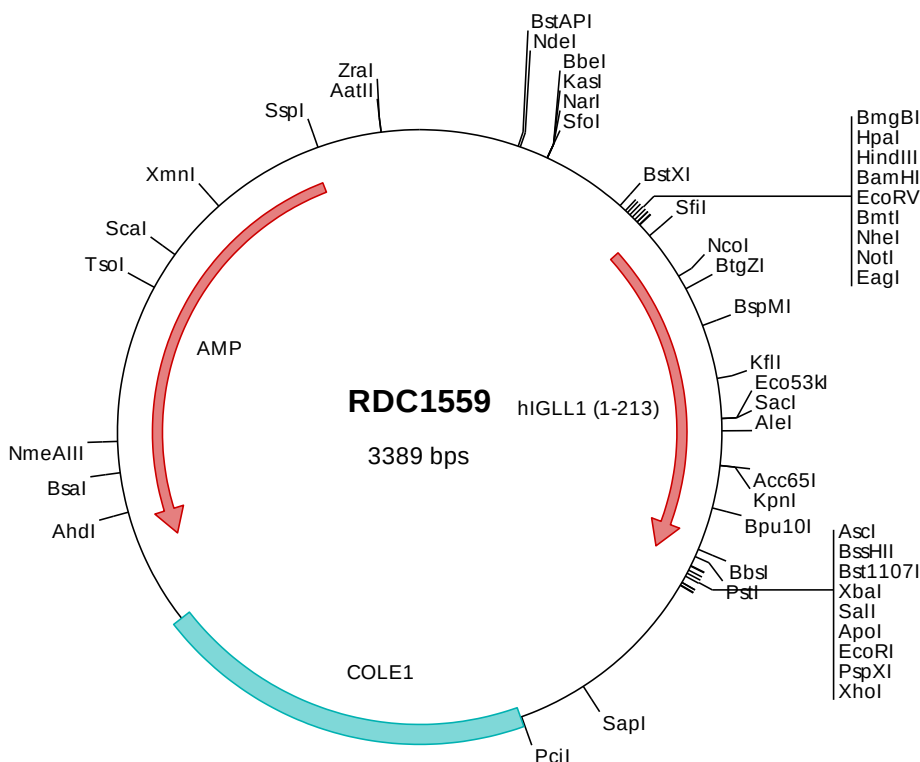
NOT FOR USE IN HUMANS

### 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. |



## > RDC1559 Plasmid DNA Sequence

```

1  tcgcgcgcttt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacggtca  cagcttgctc  gtaagcggat  gccgggagca  gacaagcccg
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```

## > RDC1559 Translated Insert Sequence

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101  gtqltvlsqp  katpsvtlfp  psseelqank  atlvclmndf  ypgiltvkwk  adgtpitqgv  emtptskqsn  nkyaassyls  ltpeqwrarr  syscqvmheg
201  stvektvapa  ecs

```