

## Product datasheet for RC204898L4

#### OriGene Technologies, Inc.

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## IL2 Receptor gamma (IL2RG) (NM\_000206) Human Tagged Lenti ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

Product Name: IL2 Receptor gamma (IL2RG) (NM 000206) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: IL2 Receptor gamma

Synonyms: CD132; CIDX; IL-2RG; IMD4; P64; SCIDX; SCIDX1

**Mammalian Cell** Pu

Selection:

Puromycin

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

**ORF Nucleotide** 

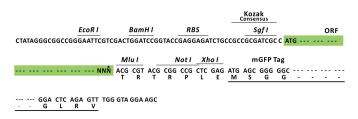
The ORF insert of this clone is exactly the same as(RC204898).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF

ACCN: NM\_000206

ORF Size: 1107 bp



#### IL2 Receptor gamma (IL2RG) (NM\_000206) Human Tagged Lenti ORF Clone - RC204898L4

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:** 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

**RefSeq:** <u>NM 000206.1</u>

RefSeq Size:1560 bpRefSeq ORF:1110 bpLocus ID:3561

UniProt ID: P31785

Cytogenetics: Xq13.1

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Cytokine-cytokine receptor interaction, Endocytosis, Jak-STAT signaling pathway, Primary

immunodeficiency

MW: 42.3 kDa

**Gene Summary:** The protein encoded by this gene is an important signaling component of many interleukin

receptors, including those of interleukin -2, -4, -7 and -21, and is thus referred to as the

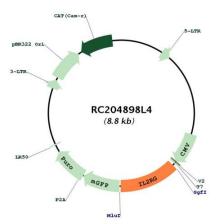
common gamma chain. Mutations in this gene cause X-linked severe combined

immunodeficiency (XSCID), as well as X-linked combined immunodeficiency (XCID), a less

severe immunodeficiency disorder. [provided by RefSeq, Mar 2010]



# **Product images:**



Circular map for RC204898L4