

Product datasheet for RC211143L1

OriGene Technologies, Inc.

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IL12RB2 (NM_001559) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: IL12RB2 (NM 001559) Human Tagged Lenti ORF Clone

Tag:Myc-DDKSymbol:IL12RB2

Mammalian Cell

Selection:

None

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide

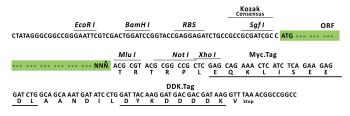
The ORF insert of this clone is exactly the same as(RC211143).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001559 **ORF Size:** 2586 bp





IL12RB2 (NM_001559) Human Tagged Lenti ORF Clone - RC211143L1

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 001559.2</u>, <u>NP 001550.1</u>

RefSeq Size: 4040 bp
RefSeq ORF: 2589 bp
Locus ID: 3595

UniProt ID: Q99665

Cytogenetics: 1p31.3

Domains: FN3

Protein Families: Druggable Genome, Transmembrane

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

MW: 97.1 kDa

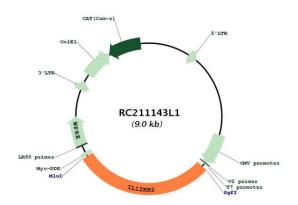
Gene Summary: The protein encoded by this gene is a type I transmembrane protein identified as a subunit of

the interleukin 12 receptor complex. The coexpression of this and IL12RB1 proteins was shown to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. The expression of this gene is up-regulated by interferon gamma in Th1 cells, and plays a role in Th1 cell differentiation. The up-regulation of this gene is found to be associated with a number of infectious diseases, such as Crohn's disease and leprosy, which is thought to contribute to the inflammatory response and host defense. Several transcript variants encoding different isoforms and non-protein coding transcripts have been found for

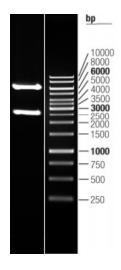
this gene. [provided by RefSeq, Apr 2012]



Product images:



Circular map for RC211143L1



Double digestion of RC211143L1 using Sgfl and Mlul