

Product datasheet for RC210450L4

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

OriGene Technologies, Inc.

IL15RA (NM_172200) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: IL15RA (NM_172200) Human Tagged Lenti ORF Clone

Tag:mGFPSymbol:IL15RASynonyms:CD215

Mammalian Cell Puromycin

Selection:

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(RC210450).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_172200

ORF Size: 693 bp





IL15RA (NM_172200) Human Tagged Lenti ORF Clone - RC210450L4

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 172200.1</u>, <u>NP 751950.1</u>

 RefSeq Size:
 1558 bp

 RefSeq ORF:
 705 bp

 Locus ID:
 3601

 UniProt ID:
 Q13261

Cytogenetics:

Protein Families: Druggable Genome, Secreted Protein

10p15.1

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

MW: 24.4 kDa

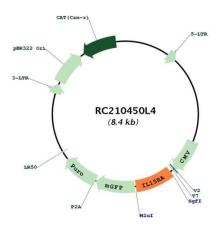
Gene Summary: This gene encodes a cytokine receptor that specifically binds interleukin 15 (IL15) with high

affinity. The receptors of IL15 and IL2 share two subunits, IL2R beta and IL2R gamma. This forms the basis of many overlapping biological activities of IL15 and IL2. The protein encoded by this gene is structurally related to IL2R alpha, an additional IL2-specific alpha subunit necessary for high affinity IL2 binding. Unlike IL2RA, IL15RA is capable of binding IL15 with high affinity independent of other subunits, which suggests distinct roles between IL15 and IL2. This receptor is reported to enhance cell proliferation and expression of apoptosis inhibitor BCL2L1/BCL2-XL and BCL2. Multiple alternatively spliced transcript variants of this

gene have been reported.[provided by RefSeq, Apr 2010]



Product images:



Circular map for RC210450L4