

Product datasheet for **RC211921L4V**

IL15RA (NM_002189) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | IL15RA (NM_002189) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | IL15RA |
| Synonyms: | CD215 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_002189 |
| ORF Size: | 801 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC211921). |
| 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. |
| RefSeq: | NM_002189.2 |
| RefSeq Size: | 1610 bp |
| RefSeq ORF: | 804 bp |
| Locus ID: | 3601 |
| UniProt ID: | Q13261 |
| Cytogenetics: | 10p15.1 |
| Domains: | CCP |
| Protein Families: | Druggable Genome, Secreted Protein |


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

MW: 28.22 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]