

Product datasheet for **RC206591L4V**

IL2 Receptor beta (IL2RB) (NM_000878) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | IL2 Receptor beta (IL2RB) (NM_000878) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | IL2 Receptor beta |
| Synonyms: | CD122; IL15RB; IMD63; P70-75 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_000878 |
| ORF Size: | 1653 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC206591). |
| 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_000878.2 |
| RefSeq Size: | 4050 bp |
| RefSeq ORF: | 1656 bp |
| Locus ID: | 3560 |
| UniProt ID: | P14784 |
| Cytogenetics: | 22q12.3 |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathways: | Cytokine-cytokine receptor interaction, Endocytosis, Jak-STAT signaling pathway |



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MW: 61.1 kDa

Gene Summary: The interleukin 2 receptor, which is involved in T cell-mediated immune responses, is present in 3 forms with respect to ability to bind interleukin 2. The low affinity form is a monomer of the alpha subunit and is not involved in signal transduction. The intermediate affinity form consists of an alpha/beta subunit heterodimer, while the high affinity form consists of an alpha/beta/gamma subunit heterotrimer. Both the intermediate and high affinity forms of the receptor are involved in receptor-mediated endocytosis and transduction of mitogenic signals from interleukin 2. The protein encoded by this gene represents the beta subunit and is a type I membrane protein. The use of alternative promoters results in multiple transcript variants encoding the same protein. The protein is primarily expressed in the hematopoietic system. The use by some variants of an alternate promoter in an upstream long terminal repeat (LTR) results in placenta-specific expression. [provided by RefSeq, Sep 2016]