

## Product datasheet for **RC207914L3V**

### IL1 Receptor II (IL1R2) (NM\_173343) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | IL1 Receptor II (IL1R2) (NM_173343) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | IL1 Receptor II  |
| Synonyms:                 | CD121b; IL1RB; MGC47725  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_173343  |
| ORF Size:                 | 1194 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC207914).   |
| 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. <a href="#">More info</a> |
| 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:                   | <a href="#">NM_173343.1</a> , <a href="#">NP_775465.1</a>  |
| RefSeq Size:              | 1436 bp  |
| RefSeq ORF:               | 1196 bp  |
| Locus ID:                 | 7850   |
| Cytogenetics:             | 2q11.2   |
| Protein Families:         | Druggable Genome, Transmembrane  |
| Protein Pathways:         | Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, MAPK signaling pathway   |
| MW:                       | 43.9 kDa   |



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**Gene Summary:**

The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein binds interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I (IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. Interleukin 4 (IL4) is reported to antagonize the activity of interleukin 1 by inducing the expression and release of this cytokine. This gene and three other genes form a cytokine receptor gene cluster on chromosome 2q12. Alternative splicing results in multiple transcript variants and protein isoforms. Alternative splicing produces both membrane-bound and soluble proteins. A soluble protein is also produced by proteolytic cleavage. [provided by RefSeq, May 2012]