

## Product datasheet for **RC202078L2V**

### IL6 (NM\_000600) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | IL6 (NM_000600) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | IL6  |
| Synonyms:                 | BSF-2; BSF2; CDF; HGF; HSF; IFN-beta-2; IFNB2; IL-6  |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-mGFP (PS100071)   |
| Tag:                      | mGFP   |
| ACCN:                     | NM_000600  |
| ORF Size:                 | 636 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC202078).   |
| 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_000600.1</a>  |
| RefSeq Size:              | 1201 bp  |
| RefSeq ORF:               | 639 bp   |
| Locus ID:                 | 3569   |
| UniProt ID:               | <a href="#">P05231</a>   |
| Cytogenetics:             | 7p15.3   |
| Protein Families:         | Druggable Genome, Secreted Protein   |



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|                          |   |
|--------------------------|---|
| <b>Protein Pathways:</b> | Cytokine-cytokine receptor interaction, Cytosolic DNA-sensing pathway, Graft-versus-host disease, Hematopoietic cell lineage, Hypertrophic cardiomyopathy (HCM), Jak-STAT signaling pathway, NOD-like receptor signaling pathway, Pathways in cancer, Prion diseases, Toll-like receptor signaling pathway  |
| <b>MW:</b>               | 23.7 kDa  |
| <b>Gene Summary:</b>     | This gene encodes a cytokine that functions in inflammation and the maturation of B cells. In addition, the encoded protein has been shown to be an endogenous pyrogen capable of inducing fever in people with autoimmune diseases or infections. The protein is primarily produced at sites of acute and chronic inflammation, where it is secreted into the serum and induces a transcriptional inflammatory response through interleukin 6 receptor, alpha. The functioning of this gene is implicated in a wide variety of inflammation-associated disease states, including susceptibility to diabetes mellitus and systemic juvenile rheumatoid arthritis. Elevated levels of the encoded protein have been found in virus infections, including COVID-19 (disease caused by SARS-CoV-2). [provided by RefSeq, Aug 2020] |