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Product datasheet for RC221874L3V

IL6R (NM_000565) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	IL6R (NM_000565) Human Tagged ORF Clone Lentiviral Particle
Symbol:	IL6R
Synonyms:	CD126; gp80; HIES5; IL-1Ra; IL-6R; IL-6R-1; IL-6RA; IL6Q; IL6QTL; IL6RA; IL6RQ
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_000565
ORF Size:	1404 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC221874).`
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_000565.2
RefSeq Size:	4176 bp
RefSeq ORF:	1407 bp
Locus ID:	3570
UniProt ID:	P08887
Cytogenetics:	1q21.3
Domains:	ig, IGc2, IG, FN3
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

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Protein Pathways:	Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway
MW:	51.5 kDa
Gene Summary:	This gene encodes a subunit of the interleukin 6 (IL6) receptor complex. Interleukin 6 is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in the immune response. The IL6 receptor is a protein complex consisting of this protein and interleukin 6 signal transducer (IL6ST/GP130/IL6-beta), a receptor subunit also shared by many other cytokines. Dysregulated production of IL6 and this receptor are implicated in the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer. Alternatively spliced transcript variants encoding distinct isoforms have been identified in this gene. A pseudogene of this gene is found on chromosome 9. [provided by RefSeq, Aug 2020]