

Product datasheet for **SC331697**

IL6R (NM_001206866) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: IL6R (NM_001206866) Human Untagged Clone
Tag: Tag Free
Symbol: IL6R
Synonyms: CD126; gp80; HIES5; IL-1Ra; IL-6R; IL-6R-1; IL-6RA; IL6Q; IL6QTL; IL6RA; IL6RQ
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331697 representing NM_001206866.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCTGGCCGTCGGCTGCGCGCTGCTGGCTGCCCTGCTGGCCGCGCCGGGAGCGGCCTGGCCCCAAGG
CGCTGCCCTGCGCAGGAGGTGGCGAGAGGCGTGTGACCAGTCTGCCAGGAGACAGCGTGACTCTGACC
TGCCCCGGGGTAGAGCCGGAAGACAATGCCACTGTTCACTGGGTGCTCAGGAAGCCGGCTGCAGGCTCC
CACCCAGCAGATGGGCTGGCATGGGAAGGAGGCTGCTGCTGAGGTGGTGCAGCTCCACGACTCTGGA
AACTATTCATGCTACCGGGCCGGCCAGCTGGGACTGTGCACTTGTGGTGGATGTTCCCCCGAG
GAGCCCCAGCTCTCCTGCTTCCGGAAGAGCCCCCTCAGCAATGTTGTTTGTGAGTGGGGTCTCGGAGC
ACCCCATCCCTGACGACAAAGGCTGTGCTTGGTGAGGAAGTTTCAGAACAGTCCGGCCGAAAGACTTC
CAGGAGCCGTGCCAGTATCCCAGGAGTCCCAGAAGTTCTCCTGCCAGTTAGCAGTCCCAGGAGGAGAC
AGCTCTTTCTACATAGTGTCCATGTGCGTCCGAGTAGTGTGGGAGCAAGTTCAGCAAACTCAAACC
TTTCAGGGTTGTGGAATCTTGACGCTGATCCGCTGCCAACATCACAGTCACTGCCGTGGCCAGAAAC
CCCCGCTGGCTCAGTGTACCTGGCAAGACCCCACTCCTGGAATCATCTTTCTACAGACTACGGTTT
GAGCTCAGATATCGGGTGAACGGTCAAAGACATTCACAACATGGATGGTCAAGGACCTCCAGCATCAC
TGTGTCATCCACGACGCTGGAGCGCCTGAGGCACGTGGTGCAGCTTCGTGCCAGGAGGAGTTCGGG
CAAGCGAGTGGAGCGAGTGGAGCCGGAGGCCATGGGCACGCCCTGGACAGACAGGCTTTCTCCTCGT
TGCCCAGGATGGAGTACAGCAGTGAATCACAGCTCACGGCAACTTCTGCCTCCTGGGTTCAAGCAATC
CTCCCGCCTCAGCCTCTAAGTAG
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Restriction Sites: SgfI-MluI
ACCN: NM_001206866
Insert Size: 1059 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001206866.1
RefSeq Size:	2058 bp
RefSeq ORF:	1059 bp
Locus ID:	3570
UniProt ID:	P08887
Cytogenetics:	1q21.3
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway
MW:	38.8 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) has multiple differences in the coding region, compared to variant 1, one of which results in a translational frameshift. The resulting protein (isoform 3) has a distinct C-terminus and is shorter than isoform 1.</p>