

Specifications:

Gene:	hIL6R
Accession:	NP_000556
Insert size:	1418bp
Concentration:	10µg at 0.2µg/µL

hIL-6R alpha cDNA Plasmid

IL6R interleukin 6 receptor [*Homo sapiens* (human)]

Also known as: IL6Q; gp80; CD126; IL6RA; IL6RQ; IL-6RA; IL-6R-1

Summary:

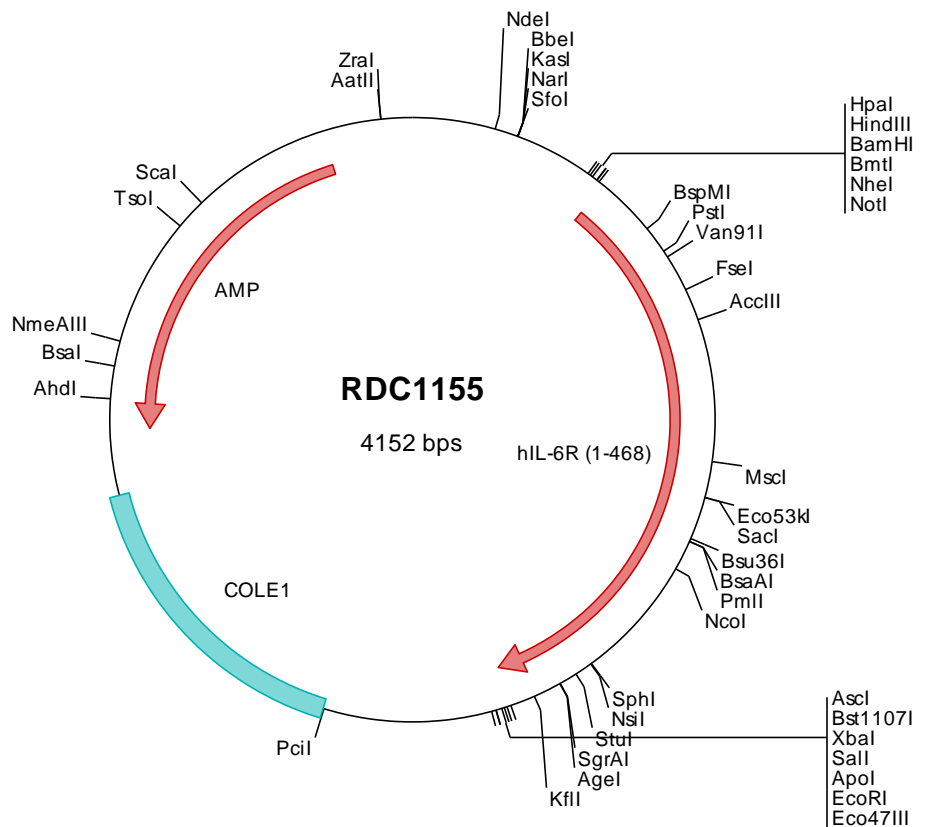
IL6R is a subunit of the interleukin 6 (IL6) receptor complex. Interleukin 6 is a potent pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in the immune response. The IL6 receptor is a protein complex consisting of IL6R and interleukin 6 signal transducer (IL6ST/GP130/IL6-beta), a receptor subunit also shared by many other cytokines. Dysregulated production of IL6 and IL6R are implicated in the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer. Alternatively spliced transcripts encoding different proteins have been described.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC1155 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggta cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcgac ggtgcgggcc tcttcgctat
301 taagccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
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> RDC1155 Translated Insert Sequence

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101 rpagtvhllv dvppeepqls cfrksplsnv vcewgrstp slttkavllv rkfqnsaed fgepcqysqe sqkfcqlav pegdssfyiv smcvassvgs
201 kfsktgtffg cgilqpdppa nitvtavarn prwlsvtwqd phswnsfyr lrfelryrae rsktfttwwv kdlqhhcvih dawsglrhvv qlraeeffg
301 gewsewspea mgtpwtesrs ppaenevstp mqalttnkdd dnilfrdsan atslpvqds svplptflva ggslafgtll ciaivlrfkk twklralkeg
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