*h*IL-6 R alpha VersaClone cDNA

Catalog Number: RDC1155

Specifications:

Gene:	*h*IL6R
Accession:	NP_000556
Insert size:	1418bp
Concentration:	10µg at 0.2µg/µL

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

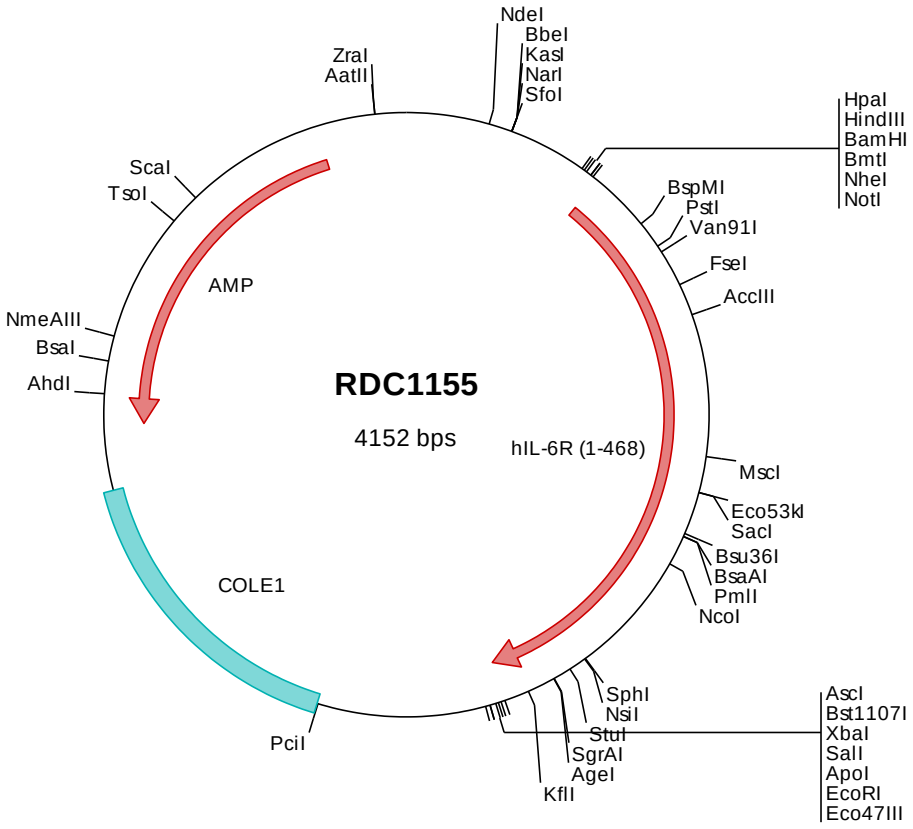
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*IL-6 R 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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1155 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgctggccg tcggctgcgc gctgctggct gccctgctgg ccgcgccggg
 501  agcggcgctg gccccaaggc gctgccctgc gcaggaggtg gcaagaggcg tgctgaccag tctgccagga gacagcgtga ctctgacctg cccgggggta
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 701  ggtcggtgca gctccacgac tctggaaact attcatgcta ccgggccggc cgcccagctg ggactgtgca cttgctggtg gatgttcccc ccgaggagcc
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1801  agggacccac ggagcccttа tgacatcagc aatacagact acttcttccc cagataggcg cgccagtata ctctagagtc gacacccggg gaattcctcg
1901  agcgctcgtc tctagcttgg cgtaatcatg gtcatagctg tttcctgtgt gaaattgtta tccgctcaca attccacaca acatacgagc cggaagcata
2001  aagtgtaaag cctggggtgc ctaatgagtg agctaactca cattaattgc gttgcgctca ctgcccgctt tccagtcggg aaacctgtcg tgccagctgc
2101  attaatgaat cggccaacgc gcggggagag gcggtttgcg tattgggcgc tcttccgctt cctcgctcac tgactcgctg cgctcggtcg ttcggctgcg
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> RDC1155 Translated Insert Sequence

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