*m*IL-7R alpha/CD127 VersaClone cDNA

Catalog Number: RDC1438

Specifications:

Gene:	*m*Il7r
Accession:	NP_032398
Insert size:	1393bp
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

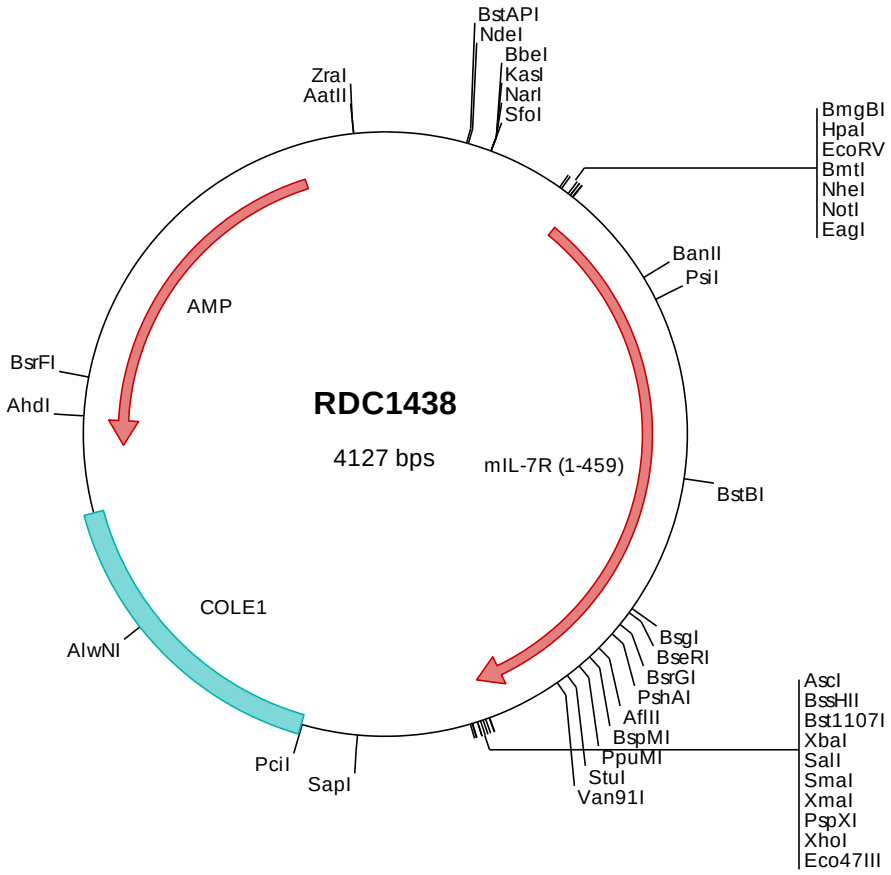
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*IL-7R alpha/CD127 cDNA Plasmid

Il7r interleukin 7 receptor [*Mus musculus* (house mouse)]

Also known as: CD127; IL-7Ralpha

Summary:
IL7R is a receptor for interleukin 7. The function of IL7R requires the interleukin 2 receptor, gamma chain (IL2RG), which is a common gamma chain shared by the receptors of various cytokines, inducing interleukins 2, 4, 7, 9, and 15. IL7R has been shown to play a critical role in the V(D)J recombination during lymphocyte development. IL7R also associates with TSLP R to form the functional receptor for thymic stromal lymphopoietin. Defects in IL7R may be associated with the pathogenesis of the severe combined immunodeficiency (SCID).



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC1438 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 atgatggctc tgggtagagc tttcgctata gttttctgct taattcaagc
 501  tgtttctgga gaaagtggaa atgcccagga tggagaccta gaagatgcag acgcggacga tcactccttc tggtgccaca gccagttgga agtggatgga
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 801  ttgcaaaaat atggctataa acacaatagt taaagccgag gctccctctg acctgaaagt cgtttatcgc aaagaagcaa atgatttttt ggtgacattt
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1601  cctctaggtc ccctgactac agagatggtg acagaaatag gcctcctgtg tatcaagact tgctgccaaa ctctggaaac acaaatgtcc ctgtccctgt
1701  ccctcaacca ttgcctttcc agtcgggaat cctgatacca gtttctcaga gacagcccat ctccacttcc tcagtactga atcaagaaga agcgtatgtc
1801  accatgtcta gtttttacca aaacaaataa aggcgcgcca gtatactcta gagtcgacac ccggggaatt cctcgagcgc tcgtctctag cttggcgtaa
1901  tcatggtcat agctgtttcc tgtgtgaaat tgttatccgc tcacaattcc acacaacata cgagccggaa gcataaagtg taaagcctgg ggtgcctaat
2001  gagtgagcta actcacatta attgcgttgc gctcactgcc cgctttccag tcgggaaacc tgtcgtgcca gctgcattaa tgaatcggcc aacgcgcggg
2101  gagaggcggt ttgcgtattg ggcgctcttc cgcttcctcg ctcactgact cgctgcgctc ggtcgttcgg ctgcggcgag cggtatcagc tcactcaaag
2201  gcggtaatac ggttatccac agaatcaggg gataacgcag gaaagaacat gtgagcaaaa ggccagcaaa aggccaggaa ccgtaaaaag gccgcgttgc
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2901  atcctttgat cttttctacg gggtctgacg ctcagtggaa cgaaaactca cgttaaggga ttttggtcat gagattatca aaaaggatct tcacctagat
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3101  gcgatctgtc tatttcgttc atccatagtt gcctgactcc ccgtcgtgta gataactacg atacgggagg gcttaccatc tggccccagt gctgcaatga
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> RDC1438 Translated Insert Sequence

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 201  yeikvrsiph ndyfkgfwse wspsstfetp epknqggwdp vlpsvtilsl fsvfllvila hvlwkkrikp vvwpslpdhk ktleqlckkp ktslnvsfnp
 301  esfldcqihe vkgveardev esflpndlpa qpeeletqgh raavhsanrs petsvsppet vrresplrcl arnlstcnap pllssrspdy rdgdrnrppv
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