

Specifications:

Gene:	hIL18R1
Accession:	NP_003846
Insert size:	1639bp
Concentration:	10 μ g at 0.2 μ g/ μ L

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.

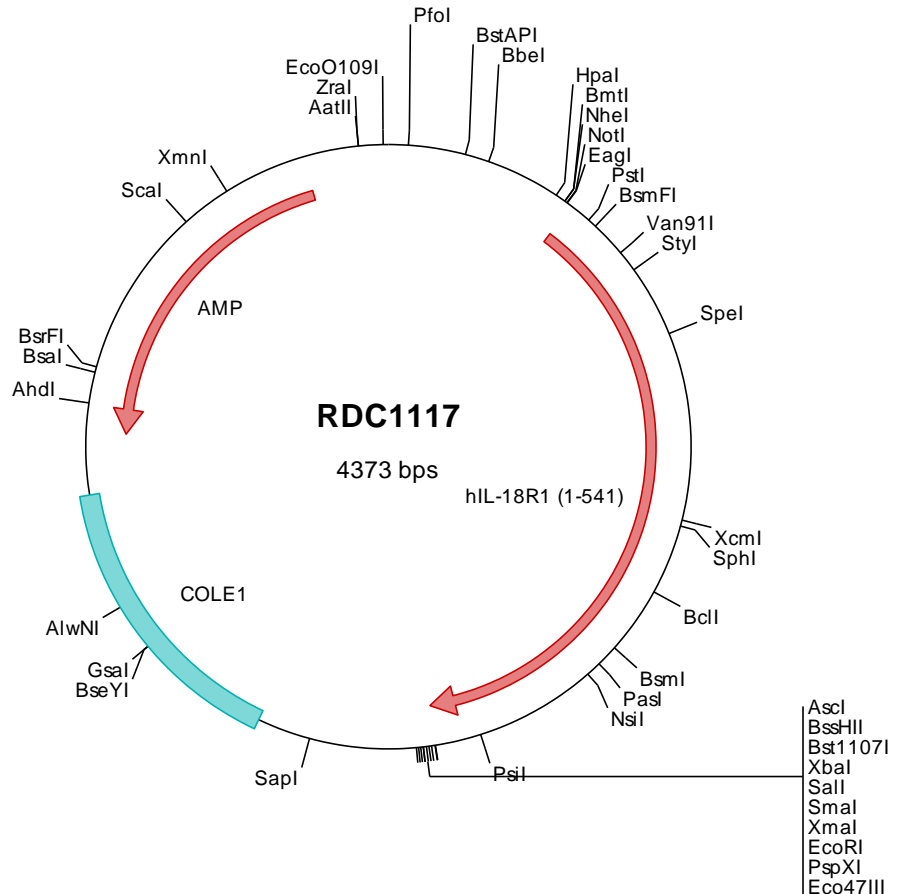
hIL-18 R α /IL-1R5 cDNA Plasmid

IL18R1 interleukin 18 receptor 1
[*Homo sapiens* (human)]

Also known as: CD218a; IL18RA;
IL1RRP; CDw218a; IL-1Rrp

Summary:

IL18R1 is a cytokine receptor that belongs to the interleukin 1 receptor family. IL18R1 specifically binds interleukin 18 (IL18), and is essential for IL18 mediated signal transduction. IFN-alpha and IL12 are reported to induce the expression of IL18R1 in NK and T cells. The coexpression of IL18R1 and IL18RAP is required for the activation of NF-kappaB and MAPK8 (JNK) in response to IL18. IL18R1 is highly expressed in Hodgkin disease cell lines. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC1117 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaagg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgacgttgc aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tccgtagcgc ggcgcgccac atgaattgta gagaattacc cttgaccett tgggtgctta tatctgtaag
501 cactgcagaa tctgtactt caogtccccca cattaactgtg gttgaagggg aacctttota tctgaaacat tgctcgtggt cacttgcaaca tgagattgaa
601 acaaccacca aaagctggta caaaagcagt ggataccagg aacatgtgga gctgaaccaca aggagtctct cgagaattgc tttgcatgat tgtgttttgg
701 agttttggcc agttgagttg aatgacacag gatcttactt tttccaaaat aaaaattata ctacgaaatg gaaattaat gtcacagaa gaaataaaca
801 cagctgtttc actgaaagac aagtaactag taaaattgtg gaagttaaaa aattttttca gataacctgt gaaaacagtt actaacaac actggtcaac
901 agcacatcat tgtataagaa ctgtaaaaag ctactactgg agaacaataa aaocccaacg ataaagaaga acgcccagtt tgaagatcag gggatctact
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1601 aatgocgacc tgaataatgga gaggagcaca cctttgctgt ggagattttg cccaggggtg tggagaaaaa ttttgggtat aagttatgca tatttgaaag
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2201 aacatacagc ccggaagcat aaagtgtaaa gcctgggggt cctaagtatg gagtaactc acattaatgt cgttggcgtc actgcccgtc tccagtcgg
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2401 gcgctcgtgc gttcggctgc ggcgagcgt atcagctcac tcaaaagcgg taatacgttt atccacagaa tcaggggata acgcaagaaa gaacatgta
2501 gcaaaaaggcc agcaaaaaggc caggaaccgt aaaaaggccg cgttgcctgg gtttttccat aggtcccgc cccctgacga gcatcaciaa aatcgacctg
2601 caagtcaag gtggcgaaac ccgacagagc tataaagata ccaagcgttt ccccctgaa cgcctctctc gctccgacct gttccgacct tgcctctac
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> RDC1117 Translated Insert Sequence

1 mncrelpltl wvlisvstae sctsrphitv vegepfylkh csclsahie tttkswykss gsqehvelnp rssssialhd cvlefwpvel ndtgsyffgm
101 knytqkwkln virrnkhsfc tergvtskiv evkkffqitc ensyyqtlvn stslkyknck lllennknpt ikknaefedq gyyscvhflh hngklfnitk
201 tfnitivedr snivpvllgp klnhvavelg knvrlncsal lneedviywm fgeengsdpn iheekemrim tpegkwhask vlrieniges nlnvlyncvt
301 astggtddts filvrkadma dipghvftgr miiavlilva vclvtvcvi yrldvlflfy hltrrdetlt dgktydafvs ylkecrpeng eehtfaveil
401 prvlekhfy klciferdvv pggavvdeih sliksrrli ivlksysmyn evryelesgl healverkik iilieftpvt dftflpqsik llkshrvlwk
501 kadkslsyns rfwknllylm paktvkgprd epevlplvse s