

Specifications:

Gene:	mIL-17RE
Accession:	NP_665825
Insert size:	1927bp
Concentration:	10µg at 0.2µg/µL

mIL-17RE cDNA Plasmid

**IL17RE interleukin 17
receptor E**
[*Mus musculus*]

Also known as: IL25r; IL-17RE

Summary:

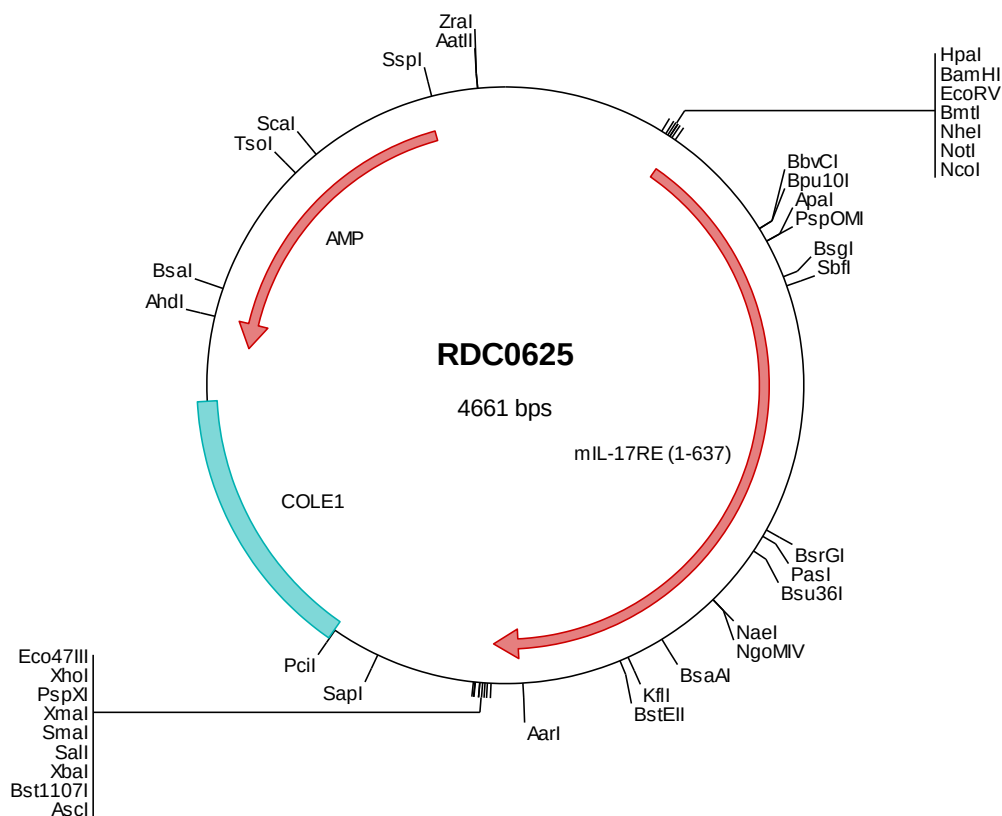
IL-17C is a member of the IL-17 family that is selectively induced in epithelia by bacterial challenge and inflammatory stimuli. IL-17RE is a receptor for IL-17C and plays an essential role in host mucosal defense against infection. IL-17C is up-regulated in colon epithelial cells during infection with *Citrobacter rodentium* and acts in synergy with IL-22 to induce the expression of antibacterial peptides in colon epithelial cells. IL-17C activates downstream signaling through IL-17RE-IL-17RA complex for the induction of genes encoding antibacterial peptides as well as proinflammatory molecules.

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.





> RDC0625 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtttggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tcgctagcgc ggccgcacac atggggagcc ctgactgggc agccttgcct ctgtctctcc cgtactgct
501  catcggcctc cgtgtgtctg ctgcgggtgc ctgcccctgc ctgcggagtt ggaccagcca ctgtctctcg gccctaccgt tggataaacg ttttgcctgc
601  cttcagtggtg gctggttccc tctcttgggt aggaatctta aaagtctccc taaatttgaa gactattgga ggcacaggac accagcatcc ttccagagga
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> RDC0625 Translated Insert Sequence

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201  cmcieasylyq edtvrkkcp fqsweayggs dfwqgsirftd ysqhngmvma ltlrcplkle aslcwrqdpd tpcetlpnat aqesegwyil envdlhpdcl
301  kfksfenssh vecphqsgsl pswtvsmdtg aqqltlhfss rtyatfsaaw sdpplgpdtp mppvvisst qgsvpvtdl iipflrgenc ilwrsdvhf
401  awkhvlcpdv shrhlglil allaltalcg vvlvllgrll lpgsgrtrpv lllhaadsea qrrlvgalae llrtalgggr divldlwegt hvarigplpw
501  lwaarervar eqgtvlllwn cagpstacsv dpqaaslrll lcaaprplll ayfserlcakg diprplralp ryrllrdlpr llraldaqpa tlasswshlg
601  akrclknrlc qchlleleaa kddyqgstns pcgfscl
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