

Product datasheet for **SC215002**

IL21 Receptor (IL21R) (NM_021798) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	IL21 Receptor (IL21R) (NM_021798) Human 3' UTR Clone
Symbol:	IL21 Receptor
Synonyms:	CD360; IMD56; NILR
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_021798
Insert Size:	2000 bp



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Insert Sequence: >SC215002 3'UTR clone of NM_021798
The sequence shown below is from the reference sequence of NM_021798. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
CTTTCGAGCCCTGGACCCAGGCCAGCTAATGAGGCTGACTGGATGTCCAGAGCTGGCCAGGCCACTGG
GCCCTGAGCCAGAGACAAGGTACCTGGGCTGTGATGTGAAGACACCTGCAGCCTTTGGTCTCCTGGAT
GGGCTTTGAGCCTGATGTTTACAGTGTCTGTGTGTGTGTGTGCATATGTGTGTGTGTGCATATGCATG
TGTGTGTGTGTGTGTCTTAGGTGCGCAGTGGCATGTCCACGTGTGTGTGTGATTGCACGTGCCTGTG
GGCCTGGGATAATGCCCATGGTACTCCATGCATTACCTGCCCTGTGCATGTCTGGACTCACGGAGCTC
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TAGGGTCTTGTGTTGCAAGTTGGTCCACAGCATCTCCGGGGCTTTGTGGGATCAGGGCATTGCCTGTGA
CTGAGGGCGAGGCCAGCCCTCCAGCGTCTGCCTCCAGGAGCTGCAAGAAGTCCATATTGTTCTTATCA
CCTGCCAACAGGAAGCGAAAGGGGATGGAGTGAGCCCATGGTGACCTCGGGAATGGCAATTTTTTGGGC
GGCCCTGGACGAAGGTCTGAATCCCGACTCTGATACCTTCTGGCTGTGTACCTGAGCCAAGTCGCCT
CCCCTCTCTGGGCTAGAGTTTTCCTTATCCAGACAGTGGGGAAGGCATGACACACCTGGGGGAAATGGC
GATGTACCCCGTGTACGGTACGCAGCCAGAGCAGACCCCTCAATAAACGTGAGCTTCCTTCTTCTGCG
GCCAGAGCCGAGGCGGGCGGGGTGAGAACATCAATCGTCAGCGACAGCCTGGGCACCCGCGGGGCCGT
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CCAAGAGATATTTATTAACACCAATTACGTAGCAGGCCATGGCTCATGGGACCCACCCCGTGGCAC
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GAATGCAGTGGTGCATCTCGGCTCTCTGCAACCTCTGTCTCCCGGGTTCAAGCGATTTCTGCGTCAG
CCCCAGAGTAGTGGAATTACAGGCACACACCACCGCCTGGCTAATTTTGTATTTTAGTAGAGCT
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AGTCTCGGTGCCTGGCAGGAGGCTGGAAGGTTCTAGAACACTGATGGTTATAAGAGTGGGACTGTGAG
CCTGGGATCGGGGGGTGTGAGACTTGGATGGGAGCACAAGAGTGGAAACACAGCTTCTGCACGGAGCAG
GCGCAGCCCTCAACACCCGTGCACCTGCACCCTAGGGACTCTTGGGTCCAGATGTGCTGTGTTTCA
CACCTTCTTGGGGCAACAGGTTCCAGGAGCCACCTGTGGGTGCCACCTGAGCCACAGGCTCCAGGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_021798.4](#)

Summary:	The protein encoded by this gene is a cytokine receptor for interleukin 21 (IL21). It belongs to the type I cytokine receptors, and has been shown to form a heterodimeric receptor complex with the common gamma-chain, a receptor subunit also shared by the receptors for interleukin 2, 4, 7, 9, and 15. This receptor transduces the growth promoting signal of IL21, and is important for the proliferation and differentiation of T cells, B cells, and natural killer (NK) cells. The ligand binding of this receptor leads to the activation of multiple downstream signaling molecules, including JAK1, JAK3, STAT1, and STAT3. Knockout studies of a similar gene in mouse suggest a role for this gene in regulating immunoglobulin production. Three alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2010]
Locus ID:	50615
MW:	72.5