

Product datasheet for MR203551

II21r (BC057861) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	II21r (BC057861) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	II21r
Synonyms:	NILR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203551 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCGGGGCCAGTGGCTGCCTTACTCCTGCTGATTCTCCATGGAGCTTGGAGCTGCCTGGACCTCA
CTTGCTACACTGACTACCTCTGGACCATCACTGTGTCTGGAGACACGGAGCCCCAACCCAGCATACT
CAGTCTCACCTGGCAAGATGAATATGAGGAACTCAGGACCAAGAGACCTTCTGCAGCTACACAGGTCT
GGCCACAACACCACACATATATGGTACAGTGCCATATGCGCTTGTCTCAATTCCTGTCCGATGAAGTTT
TCATTGTCAATGTGACGGACCAGTCTGGCAACAACTCCAAGAGTGTGGCAGCTTGTCTCCTGGCTGAGAG
CATCAAACCAGCTCCCCCTTGAACGTGACTGTGGCCTTCTCAGGACGCTATGATATCTCCTGGGACTCA
GCTTATGACGAACCTCCAACACTAGTGCTGAGGGGCAAGCTACAATATGAGCTGCAGTATCGGAACCTCA
GAGACCCCTATGCTGTGAGGCCGGTGACCAAGCTGATCTCAGTGGACTCAAGAAACGTCTCTCTTCTCCC
TGAAGAGTTCCACAAAGATTCTAGCTACCAGCTGCAGGTGCGGGCAGCGCCTCAGCCAGGCATTCATTC
AGGGGGACCTGGAGTGAGTGGAGTGACCCCGTCATCTTTCAGACCCAGGCTGGGGCTATGGAAAAAGAT
ATGGGCACCAGTGCCACCCCTGAGAGTTTCTCCAGCCCCTGTACAGGGAGCACAGCGGGAACCTCAAG
AAATGGTTAATACCCCTTTCACGGCCTCCAGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203551 protein sequence
Red=Cloning site Green=Tags(s)

```
MPRGPVAALLLLILHGAWSCLDLTCYTDYLWTITCVLETRSPNPSILSLTWQDEYEELQDQETFCSLHRS
GHNTTHIWTCHMRLSQFLSDEVFIVNVTDQSGNNSQECGSFVLAESIKPAPPLNVTVAFSGRYDISWDS
AYDEPSNYVLRGKLYELQYRNLRDYAVRPVTKLISVDSRNVSLLPEEFHKDSSYQLQVRAAPQPGTSF
RGTWSEWSDPVIFQTAQAGYGKRYGHQCPPLRVSSSPECTGSTAGTSRNLIPLSRPPA
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC057861

ORF Size: 804 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC057861](#), [AAH57861](#)

RefSeq Size: 2172 bp

RefSeq ORF: 806 bp

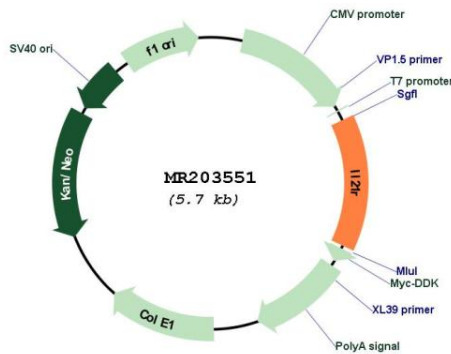
Locus ID: 60504

Cytogenetics: 7 F3

MW: 30.1 kDa

Gene Summary: This is a receptor for interleukin-21.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203551