

Product datasheet for **MR226632**

Il21r (NM_021887) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il21r (NM_021887) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Il21r
Synonyms:	NILR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR226632 representing NM_021887
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCGGGGCCAGTGGCTGCCTTACTCCTGCTGATTCTCCATGGAGCTTGGAGCTGCCTGGACCTCA
 CTTGCTACACTGACTACCTCTGGACCATCACTGTGCTCCTGGAGACACGGAGCCCCAACCCAGCATACT
 CAGTCTCACTGGCAAGATGAATATGAGAACTTCAGGACCAAGAGACCTTCTGCAGCCTACACAGGTCT
 GGCCACAACACCACATATATGGTACACGTGCCATATGCGCTTGTCTCAATTCCTGTCCGATGAAGTTT
 TCATTGTCAATGTGACGGACCAGTCTGGCAACACTCCAAGAGTGTGGCAGCTTGTCTGGTGAGAG
 CATCAAACAGCTCCCCCTTGAACGTGACTGTGGCCTTCTCAGGACGCTATGATATCTCCTGGGACTCA
 GCTTATGACGAACCTCCAACACTCGTGTGAGGGGCAAGCTACAATATGAGCTGCAGTATCGGAACCTCA
 GAGACCCCTATGTGTGAGGCGGTGACCAAGCTGATCTCAGTGGACTCAAGAAAGCTCTCTCTTCTCCC
 TGAAGAGTTCCACAAAGATTCTAGCTACCAGCTGCAGGTGCGGGCAGCGCTCAGCCAGGCACTTCATTC
 AGGGGGACCTGGAGTGAGTGGAGTGACCCCGTCACTTTTCAGACCCAGGCTGGGGAGCCCGAGGCAGGCT
 GGGACCTCACATGCTGCTGCTCCTGGCTGCTTGTGATCATTGTCTCTGGTTTTTCATGGGTCTGAAGATCCA
 CCTGCCTTGGAGGCTATGGAAAAGATATGGGCACCAAGTCCCAACCCCTGAGAGTTTCTTCCAGCCCTG
 TACAGGGAGCACAGCGGGAACCTCAAGAAATGGGTTAATACCCCTTTCACGGCCTCCAGCATAGAGTTGG
 TGCCACAGAGTCCACAACAACATCAGCCTTACATCTGTCAATGTATCCAGCCAAGGAGAAGAAGTTCCC
 GGGGCTGCCGGTCTGGAAGAGCAACTGGAGTGTGATGGAATGTCTGAGCCTGGTCACTGGTGCATAATC
 CCCTTGGCAGCTGGCCAAGCGGTCTCAGCCTACAGTGAAGGAGAGACCGGCCATATGGTCTGGTGTCCA
 TTGACACAGTACTGTGGAGATGCAGAGGGCCTGTGTGTCTGGCCCTGTAGCTGTGAGGATGATGGCTA
 TCCAGCCATGAACCTGGATGCTGGCCGAGAGTCTGGCCCTAATTCAGAGGATCTGCTCTTGGTACAGAC
 CCTGCTTTTCTGTCTTGCAGGCTGTGTCTCAGGTAGTGGTCTCAGCCTTGGAGGCTCCCCAGGCAGCCTAC
 TGGACAGGTTGAGGCTGTCAATTTCAAAGGAAGGGGACTGGACAGCAGACCCAACCTGGAGAAGTGGGTC
 CCCAGGAGGGGCTCTGAGAGTGAAGCAGGTTCCCCCCTGGTCTGGACATGGACACATTTGACAGTGGC
 TTTGCAGGTTGACTGTGGCAGCCCCGTGGAGACTGATGAAGGACCCCTCGAAGCTATCTCCGCCAGT
 GGGTGGTCAAGACCCCTCCACCTGTGGACAGTGGAGCCAGAGCAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226632 representing NM_021887
 Red=Cloning site Green=Tags(s)

MPRGPVAALLLLILHGAWSCLDLTCYTDYLWITCVLETRSPNPSILSLTWQDEYEELQDQETFCSLHRS
 GHNTTHIWTCHMRLSQFLSDEVFIVNVTDSGNNSQECGSFVLAESIKPAPPLNVTVAFSGRYDISWDS
 AYDEPSNYVLRGKLQYELQYRNLDPYAVRPVTKLISVDSRNVSLPPEEFHKDSSYLQVRAAPQPGTSP
 RGTWSEWSDPVIFQTQAGEPEAGWDPHMLLLLAVLIIVLVMGLKIHLPWRLWKKIWPVPTPESFFQPL
 YREHSGNFKKWVNTPFPTASSIELVPQSSTTTSALHLSLYPAKEKKFPGLPGLLEEQLCEDGMSEPGHWCII
 PLAAGQAVSAYSEERDRPYGLVSIIDTVTVGDAEGLCVWPCSCEDDGYPAMNLDAGRESGPNSEDLLLVT
 PAFLSCGCVSGSLRLGGSPGSLLDRLRLSFAKEGDWTADPTWRTGSPGGGSESEAGSPPGLDMDTFDSG
 FAGSDCGSPVETDEGPPRSYLRQWVVRTPPPVDSGAQSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

ACCN:	NM_021887
ORF Size:	1587 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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:	NM_021887.2 , NP_068687.1
RefSeq Size:	2607 bp
RefSeq ORF:	1590 bp
Locus ID:	60504
UniProt ID:	Q9JHX3
Cytogenetics:	7 F3
MW:	58.8 kDa
Gene Summary:	This is a receptor for interleukin-21.[UniProtKB/Swiss-Prot Function]