

Product datasheet for **MG226632**

Il21r (NM_021887) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il21r (NM_021887) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Il21r
Synonyms:	NILR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG226632 representing NM_021887
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCCGGGGCCAGTGGCTGCCTTACTCCTGCTGATTCTCCATGGAGCTTGGAGCTGCCTGGACCTCA
 CTTGCTACACTGACTACCTCTGGACCATCACTGTGCTCCTGGAGACACGGAGCCCCAACCCAGCATACT
 CAGTCTCACTGGCAAGATGAATATGAGAACTTCAGGACCAAGAGACCTTCTGCAGCTACACAGGTCT
 GGCCACAACACCACATATATGGTACACGTGCCATATGCGCTTGTCTCAATTCCTGTCCGATGAAGTTT
 TCATTGTCAATGTGACGGACCAGTCTGGCAACACTCCAAGAGTGTGGCAGCTTGTCTGGTGAGAG
 CATCAAACCAGCTCCCCCTTGAACGTGACTGTGGCCTTCTCAGGACGCTATGATATCTCCTGGGACTCA
 GCTTATGACGAACCTCCAACACTGCTGCTGAGGGGCAAGCTACAATATGAGCTGCAGTATCGGAACCTCA
 GAGACCCCTATGCTGTGAGGCCGGTGACCAAGCTGATCTCAGTGGACTCAAGAAACGTCTCTCTTCTCCC
 TGAAGAGTTCACAAAGATTCTAGCTACCAGCTGCAGGTGCGGGCAGCGCTCAGCCAGGCACTTCATTC
 AGGGGGACCTGGAGTGAGTGGAGTGACCCCGTCACTTTTCAGACCCAGGCTGGGGAGCCCCAGGCAGGCT
 GGGACCTCACATGCTGCTGCTCCTGGCTGCTTGTATGCTCCTGGTTTTTCATGGGTCTGAAGATCCA
 CCTGCCTTGGAGGCTATGGAAAAGATATGGGCACCAAGTCCACCCCTGAGAGTTTCTCCAGCCCTG
 TACAGGGAGCACAGCGGGAACCTCAAGAAATGGGTTAATACCCCTTTCACGGCTCCAGCATAGAGTTGG
 TGCCACAGAGTTCACAACAACATCAGCCTTACATCTGTCTGATCCAGCCAAGGAGAAGAAGTTCCC
 GGGGCTGCCGGTCTGGAAGAGCAACTGGAGTGTGATGGAATGTCTGAGCCTGGTCACTGGTGCATAATC
 CCCTTGGCAGCTGGCCAAGCGGTCTCAGCCTACAGTGAAGAGAGAGACCGGCCATATGGTCTGGTGCCA
 TTGACACAGTACTGTGGAGATGCAGAGGGCCTGTGTCTGGCCCTGTAGCTGTGAGGATGATGGCTA
 TCCAGCCATGAACCTGGATGCTGGCCGAGAGTCTGGCCCTAATTCAGAGGATCTGCTCTTGGTCAAGAC
 CCTGCTTTTCTGTCTTGGGCTGTGTCTCAGGTAGTGGTCTCAGGCTTGGAGGCTCCCCAGGCAGCTAC
 TGGACAGGTTGAGGCTGTCAATTTCAAAGGAAGGGGACTGGACAGCAGACCCAACCTGGAGAAGTGGGTC
 CCCAGGAGGGGCTCTGAGAGTGAAGCAGGTTCCCCCTGGTCTGGACATGGACACATTTGACAGTGGC
 TTTGCAGGTTGACTGTGGCAGCCCCGTGGAGACTGATGAAGGACCCCTCGAAGCTATCTCCGCCAGT
 GGGTGGTCAAGACCCCTCCACCTGTGGACAGTGGAGCCAGAGCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG226632 representing NM_021887
 Red=Cloning site Green=Tags(s)

MPRGPVAALLLLILHGAWSCLDLTCYTDYLWTITCVLETRSPNPSILSLTWQDEYEELQDQETFCSLHRS
 GHNTTHIWTCHMRLSQFLSDEVFIVNVTDSGNNSQECGSFVLAESIKPAPPLNVTVAFSGRYDISWDS
 AYDEPSNYVLRGKLQYELQYRNLDPYAVRPVTKLISVDSRNVSLLEEFHKDSSYQLQVRAAPQPGTSF
 RGTWSEWSDPVIFQTQAGEPEAGWDPHMLLLAVLIIVLVFMGLKIHLPWRLWKKIWAPVPTPEFFQPL
 YREHSGNFKKWVNTPFATASSIELVPQSSTTTSALHLSLYPAKEKFFPGLPGLLEEQLCEDGMSEPGHWCI
 PLAAGQAVSAYSEERDRPYGLVSDTDTVVGDAEGLCVWPCSCEDDGYPAMNLDAGRESGPNSEDLLLVT
 DPAFLSCGCVSGSLRLGGSPGSLLDRLRSLFAKEGDWTADPTWRTGSPGGGSESEAGSPPGLDMDTFDSG
 FAGSDCGSPVETDEGPPRSYLRQWVVRTPPPVDSSGAQSS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

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