

## Product datasheet for **RR217139**

### **Il31ra (NM\_001257278) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Il31ra (NM_001257278) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Il31ra
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR217139 representing NM\_001257278  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGATCTTGGCACTGTGGCTACTCCCTCTACTCTGCAAATTCAGCCTAGCAGGTCTACCACCTAAGC  
 CAGAGAACATTTCTGCATCTTTTACTTTGACAGGAATCTGACTTGCACCTGGAGTCCAGAGAAGGAAAC  
 CAATGATACCAGCTACACCGTGAGGATGACTTACTCTATGGGAAGAGCAGTTGCACTGTTAATGCTACA  
 GAGGCTTCGTGTTCTTTTCCCTCTACTGTGCAATAGCCCCAGACAACCTGCAGTGTGAAGTAGAAGCTC  
 AAAACAACGATGGTAAAGCTATACTGCCATCACATATTGGGATTTAAGCTCCATAGTAAAACCGAACC  
 ACCTATAATTTTAAAGTGTGAATCCAATTTCAAATAGAATGTTCCAGATACGATGGAAACCTGGGAAAAG  
 ATTCATGTGTTTCTTTAACATGCATGATTCAGTTCAGGACTGTCAACAGTAGCCACTGGACGGAAGTCA  
 ATTTAGAGGACTGCGAACGGGTCTTCAACCTCACAGGGCTTCAGGCTTTCACACAATATGCTCTGGCTCT  
 ACGATTCAGGTTCAAGTACTGAGCAAGTGGAGCAAGAAGAAACCGAATGACTATGGAG  
 GAAGTTCCCATGTCCTGGACCTGTGGAGAATTCGGAGCCAGCAGATGTGAATGGAGACAGGAAAGTGT  
 TACTGCTGTGGAAGAAGGCGAGAGGAGCCCAAGTCTTGGAGAAAACATTTGGCTACAACATACAGTACTC  
 TGCAGAAAACAGCACTAACGTACCGGAGATAAACAGCATCACTACCCAGCACTATGAAGTCTTCTGTTG  
 GGCCAGACGCACTGTGTGTCTGTGACTTCTTTAACTCTTGGCAAGTCCCAAGAGGCCATACTGAGGA  
 TCCCAGATGCCCATGAGGAGACCTTCCAGTGCATCAACGGCATGCAGGCCACATAGCTGAGCCCTGCT  
 GGTGGTGAAGTGGCAGAGTCCATTCTGAGGTGGACACTTGGATAGTGGAGTGGATCCCAGAAACGGCT  
 GAGTCGAAGTCCCTGCTCTTTGCTGGGAATCTGTGTCTCGGGTCACTCACTGGACACTGAGCAAGATA  
 AATTGAAACCTTTCACATGCTATAATATATCAGTGTATCCAGTGTGGGACACCACGTAGGAGAGCCATA  
 TTCCATCCAAGCTTATGCCAAAGAAAAAGCTCCAACATCTGGTCCAATACCACGGTGAACAACATTGGT  
 TTGAAGACAGCCGTGGTACATGGAAGAGATTCCAAGAGTATTAGAAATGGATTTATCCACAATTACA  
 CGATATTTTACCAAGCTGAAGGTGGAAAAAACTCTCCAAGACTGTTAACTCCCACACCCTTCAGTATGA  
 CCTGGAGTCTCTGACACGAAGGACCTTTACACTGTTTCTGTATGGCCAGCACCAGAGCTGGAGGTACC  
 ATCGGGTCGAGCATAAACTTCAAGACATCGTCAATCAGTGTCTTTGAAATGTCTTCTAACGACTCTAA  
 TTGGAGGAGGCCCTTCTTACTTAGCATCAAAACAGTACTTTTGGTCTCAGGAAGCCAAACAGCCGATT  
 GACTCATCTGTGCTGCTGATGTTCCCAACCCTGCTGAAAGTAGTTTAGCTACCTGGTTTGGAGATGAT  
 TTCAAGAAGAAGTCAAATATGAAGGAGACTGAAAACCTCTGGGAACACAGAAGACCAGGTCCTAAAACCAT  
 GTCCTGTCCCGCTGACCTCACTGATAAGCTGGTAGTGAACCTTTGAGAATTTTCTGGAAGTAGTTTCGAC  
 AGCGGAAGCTGGAAGGGTCAAGGAGAGCGTTTTGGGAGGAGAAGCGAATGAGTATGTGACCTCCCATCC  
 AGGGCTGACTGTCCCCAGGGAAAAGTTTTAAGGAGCCCTCAGTTTTAACTGAGGCTGCTTCTGAAGACT  
 GCCATAGCCGGACTCCGGGAATGGCGGAAGAGACATACTCAGAACTTGACAACCAACCTTTACCTTCCTG  
 TCAGAGTCCAGGACTGGAGCCCCCTGTGAAGAGCGAGCTCAGAATCCATATCTGAAAAATTCAGTGACA  
 ACCAGGGAGTTTCTTATGCATGAAAATATTCCAGAGTACAGCAAGGGAGAAATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR217139 representing NM\_001257278  
Red=Cloning site Green=Tags(s)

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MWILALWLLPLLCKFSLAGLPPKPNISCIIFYFDRNLTCTWSPEKETNDTSYTVRMTYSYGKSSCTVNA
EASCSFSPSYCAIAPDNCSEVEEAQNNDGKAISAITYWDLSSIVKTEPPIILSVNPI SNRMFQIRWEPWEK
IHVFPLTCMIQFRTVNSSHWEVNL EDCERVFNL TGLQAF TQYVLALRFRFSDSRYWWSKWSKEETRMTME
EVPVHLDLWRILEPADVNGDRKVL LLLWKKARGAPVLEKTFGYNIQYSAENSTNVTEINSIT TQHYELLLL
GQTHCVSVTSFN SLGKSQEAILRIPDAHEETFQCINGMQAYIAEPLL VVNWQSS IPEVDTWIVIEWIPETA
ESKFPALCWESVSRVTNWTIEQDKLEPFTCYNISVYPVLGHHVGE PYSIQAYAKEKAP TSGPNTTVNNIG
LKTAVVTWKEIPKSIRNGFIHNYTIFYQAE GKKLSKTVNSHTLQYDLESLTRRTSYTVSMASTRAGGT
IGSSINFKTSSISVFEIVLLTTLIGGGLLLL SIKTVTFGLRKPNSRLTHLCCPDVNP AESSLATWFGDD
FKKKS NMKETENSGNTEDQVLKPCVPADLTDKLVVNFENFLEV VSTAEAGKQESV LGGEANEYV TSPS
RADCPPGKSFKEPSVLTEAASEDCHSRTPGMAEETYS ELDNQPLPSCQSPGLEPPCEERAQNPYLKNSVT
TREFLMHENIPEYSKGEI
    
```

TRTRPLEQKLISEEDLANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001257278

**ORF Size:** 2154 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:** [NM\\_001257278.2](#), [NP\\_001244207.1](#)

**RefSeq Size:** 2442 bp

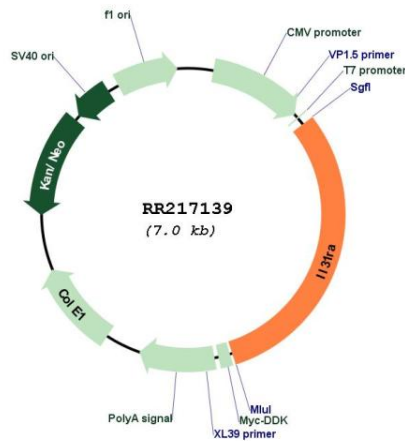
**RefSeq ORF:** 2157 bp

**Locus ID:** 688622

**Cytogenetics:** 2q14

**MW:** 80.6 kDa

**Product images:**



Circular map for RR217139