

Product datasheet for **MR216199**

Il31ra (NM_139299) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il31ra (NM_139299) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Il31ra
Synonyms:	CRL3; GLM-R; Glmr; GPL; NR10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR216199 representing NM_139299
Red=Cloning site Blue=ORF Green=Tags(s)

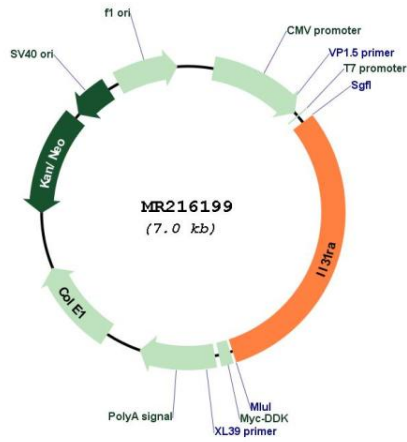
TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGACCTTGGCACTGTGGCATTCTTTCTCTGCAAATTCAGCCTGGCAGTCTGCCGACTAAGC
CAGAGAACATTTCTGCGTCTTTTACTTCGACAGAAATCTGACTTGCACCTGGAGACCAGAGAAGGAAAC
CAATGATACCAGCTACATTGTGACTTTGACTTACTCCTATGAAAAAGCAATTATAGTGACAATGCTACA
GAGGCTTCATATTTTCCCGTTCTGTGCAATGCCCCAGACATCTGCAGTGTGAAGTACAAGCTC
AAAATGGAGATGGTAAAGTTAAATCTGACATCACATATTGGCATTAACTCCATAGCAAAAACCGAACC
ACCTATAATTTTAAAGTGTGAATCCAATTTGTAATAGAATGTTCCAGATACAATGGAACCGCGTGAAAAG
ACTCGTGGGTTTCTTTAGTATGCATGCTTCGGTTCAGAACTGTCAACAGTAGCCACTGGACGGAAGTCA
ATTTTGAAAACGTAAACAGGTCTGCAACCTCACAGGACTTCAGGCTTTCACAGAATATGCTCTGGCTCT
ACGATTCAGGTTCAATGACTCAAGATATTGGAGCAAGTGGAGCAAAGAAGAAACAGAGTACTATGGAG
GAAGTTCACATGCTCTGGACCTGTGGAGAATTCTGGAACCAGCAGACATGAACGGAGACAGGAAGGTGC
GATTGTTGTGAAGAAGGCAAGAGGAGCCCGTCTTGGAGAAAACATTTGGCTACCACATACAGTACTT
TGCAGAGAACAGCACTAACCTCACAGAGATAAACAAATCACCACCCAGCAGTATGAACTGCTTCTGATG
AGCCAGGCACACTCTGTGTCCGTGACTTCTTTAATTCTTGGCAAGTCCCAAGAGGCCATCCTGAGGA
TCCCAGATGTCCATGAGAAGACCTTCCAGTACATTAAGAGCATGAAGGCCACATAGCCGAGCCCTGTT
GGTGGTGAAGTGGCAAAGCTCCATTCTGCGGTGGACACTTGGATAGTGGAGTGGCTCCCAGAAGCTGCC
ATGTCGAAGTCCCTGCCCTTCTGGAATCTGTGTCTCAGGTCACGAACTGGACCATCGAGCAAGATA
AACTAAAACCTTTCACATGCTATAATATATCAGTGTATCCAGTGTGGGACACCGAGTTGGAGACCGGT
TTCAATCCAAGCTTATGCCAAAGAAGGAACTCCATTAAGAGTCTGAGACCAGGTTGGAGAATCCGGT
CTGAGGACAGCCACGATCACATGGAAGGAGATTCTAAGAGTGCTAGGAATGGATTTATCAACAATTACA
CTGTATTTTACCAAGCTGAAGGTGGAAAAGAACTCTCAAGACTGTTAACTCTCATGCCCTGCAGTGTGA
CCTGGAGTCTCTGACACGAAGGACCTCTTATACTGTTGGGTCATGGCCAGCACCAGAGCTGGAGGTACC
AACGGGTGAGAATAAATCAAGACATTGTCAATCAGTGTGTTGAAATGTCCTTCTAACATCTCTAG
TTGGAGGAGGCCCTTCTTACTTAGCATCAAAACAGTACTTTTGGCCTCAGAAAGCCAAACCGGTTGAC
TCCCCTGTGTTGCTGATGTTCCCAACCCTGCTGAAAGTAGTTAGCCACATGGCTCGGAGATGGTTTC
AAGAAGTCAAATATGAAGGAGACTGAAACTCTGGGACACAGAAGACGTTGTCCTAAAACCATGTCCTCC
TCCCCTCGGATCTCATTGACAAGCTGGTAGTGAATTTGAGAATTTCTGGAAGTAGTTTGGACAGGGA
AGCTGGAAGGGTCAGGCGAGCATTGTTGGGAGGAGAAGCGAATGAGTATGTGACCTCCCGTCTAGGCC
GACGGTCCCCAGGAAAAGTTTTAAAGAGCCCTCCGTTTTAACTGAGGTTGCTTCTGAAGACTCCCACA
GCACGTGTTCCAGAAATGGCGGACGAGGCGTACTCAGAAATGGCCAGGCAGCCTTCGTCTTCTGTGAG
TCCAGGGCTATCGCTCCCGTGAAGACCAAGCTCAGAAATCCATATTTGAAAAATTCAGTGACAACCAGG
GAATTTCTGTGCATGAGAATATCCCAGAGCACAGCAAAGGAGAAGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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:	<p>NM_139299.2, NP_647460.2</p>
RefSeq Size:	<p>3680 bp</p>
RefSeq ORF:	<p>2151 bp</p>
Locus ID:	<p>218624</p>
UniProt ID:	<p>Q8K5B1</p>
Cytogenetics:	<p>13 D2.2</p>
MW:	<p>81 kDa</p>
Gene Summary:	<p>Associates with OSMR to form the interleukin-31 receptor which activates STAT3 and to a lower extent STAT1 and STAT5. May function in skin immunity (PubMed:15184896). Mediates IL31-induced itch, probably in a manner dependent on cation channels TRPA1 and TRPV1 (PubMed:24373353). Positively regulates numbers and cycling status of immature subsets of myeloid progenitor cells in bone marrow in vivo and enhances myeloid progenitor cell survival in vitro (PubMed:17379091).[UniProtKB/Swiss-Prot Function]</p>

Product images:



Circular map for MR216199