

Product datasheet for **MR207879**

Il31ra (BC066164) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il31ra (BC066164) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Il31ra
Synonyms:	NR10, GLM-R, Glmr, CRL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207879 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAATCCTCTGGGTGTGAACGCTGGAATAATGTGGACCTGGCACTGTGGGCATTCTCTTTCTCTGCA
 AATTCAGCCTGGCAGTCCCTGCCACTAAGCCAGAGAACATTTCTGCGTCTTTACTTCGACAGAAATCT
 GACTTGCACCTGGAGACCAGAGAAGGAAACCAATGATACCAGCTATATTGTGACTTTGACTTACTCTAT
 GGAAAAAGCAATTATAGTGACAATGCTACAGAGGCTTCATATTCTTTCCCGTTCCTGTGCAATGCCCC
 CAGACATCTGCAGTGTGAAGTACAAGCTCAAAATGGAGATGGTAAAGTTAAATCTGACATCACATATTG
 GCATTTAATCTCCATAGCAAAAACCGAACCTATAATTTAAGTGTGAATCCAATTTGTAATAGAATG
 TTCAGATACAATGGAAACCGCGTGAAGACTCGTGGGTTTCTTTAGTATGCATGCTTCGGTTCAGAA
 CTGTCAACAGTAGCCACTGGACGGAAGTCAATTTTAAAAGTAAACAGGTCTGCAACCTCACAGGACT
 TCAGGCTTTCACAGAATATGTCCTGGCTCTACGGTTCAGGTTCAATGACTCAAGATATTGGAGCAAGTGG
 AGCAAAGAAGAAACCAGAGTGACTATGGAGGAAGTCCACATGTCTGGACCTGTGGAGAATTCTGGAAC
 CAGCAGACATGAACGGAGACAGGAAGGTGCGATTGTTGTGGAAGAAGGCAAGAGGAGCCCCGCTTGGGA
 GAAAACATTTGGCTACCACATACAGTACTTTGCAGAGAACAGCACTAACCTCACAGAGATAAAACAACATC
 ACCACCCAGCAGTATGAAGTCTTCTGATGAGCCAGGCACACTCTGTGTCGGTGACTTCTTTAATTCTC
 TTGGCAAGTCCCAAGAGGCCATCCTGAGGATCCAGATGTCCATGAGAAGACCTCCAGTACATTAAGAG
 CATGAAGGCCTACATAGCCGAGCCCTGTTGGTGGTGAAGTGGCAAGCTCCATTCCTGCGGTGGACACT
 TGGATAGTGGAGTGGCTCCAGAAGTGCATGTGCAAGTTCCTGCCCTTCTGGGAATCTGTGTCTC
 AGGTCACGAAGTGGACCATCGAGCAAGATAAAACCTTTTACATGCTATAATATCAGTGTATCC
 AGTGTGGGACACCGAGTTGGAGAGCCGTATTCATCAAGCTTATGCCAAAGAAGGAACTCCATTA
 GGTCTGAGACAGGGTGGAGAATCGGTCTGAGGACAGCCACGATCACATGGAAGGAGATTCTTAAGA
 GTGCTAGGAATGGATTTATCAACAATTACTGTATTTTACCAAGCTGAAGGTGGAAAAGAACTCTCCAA
 GACTGTAACTCTCACTACCCCAAGTTTATTACGCATTGACTGCTGCTAAATCAAGAACTCCAGAAAC
 CTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207879 protein sequence
 Red=Cloning site Green=Tags(s)

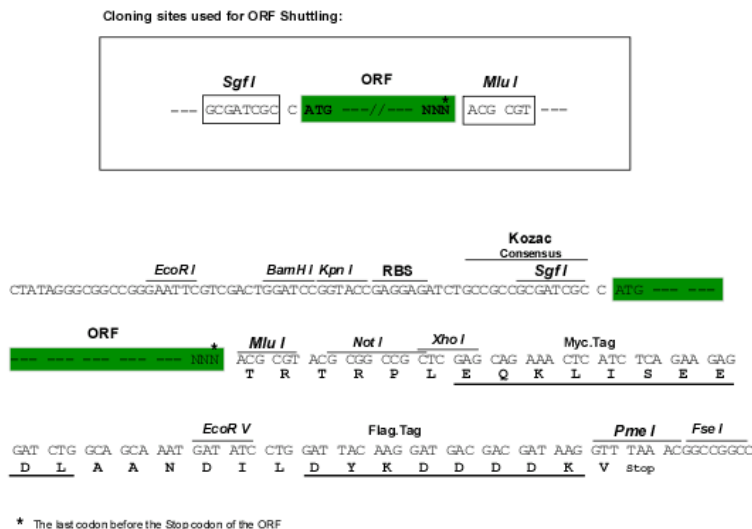
MNPLGVNAGIMWTLALWAFSLCKFSLAVLPTKPENISCVFYFDRNLTCTWRPEKETNDTSYIVTLTYSY
 GKSNYSNDATEASYSPRSCAMPPDICSVEVQAQNGDGKVKSDITYWHLISIAKTEPPIILSVNPICNRM
 FQIQWKPREKTRGFPLVCLRFRTVNSSHWEVNFENCKQVCNLTGLQAFTEYVLALRFRFNSRYWSKW
 SKEETRVTMEEVPHVLDLWRIEPPADMNGDRKVRLLWKKARGAPVLEKTFGYHIQYFAENSTNLTEINNI
 TTQQYELLMSQAHSVSVTSFNSLGKSQEAAILRIPDVHEKTFQYIKSMKAYIAEPLLVVNWQSSIPAVDT
 WIVEWLPEAAMSKFPALSWESVSQVTNWTIEQDKLPFTCYNISVYPVLGHRVGEPIYQAYAKEGTPLK
 GPETRVENIGLRTATITWKEIPKSARNGFINNYTVFYQAEGGKELSKTVNSHSPQVYYALTAASRSRNLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: BC066164

ORF Size: 1476 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: [BC066164](#), [AAH66164](#)

RefSeq Size: 2020 bp

RefSeq ORF: 1478 bp

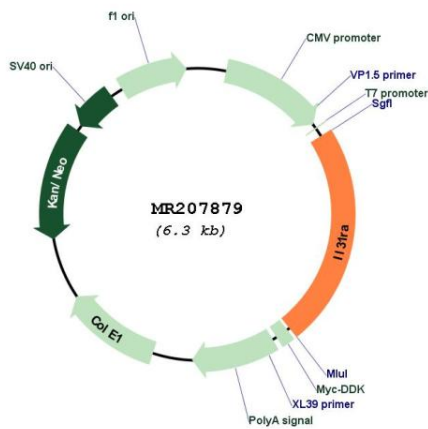
Locus ID: 218624

Cytogenetics: 13 D2.2

MW: 56.5 kDa

Gene Summary:

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]

Product images:


Circular map for MR207879