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Product datasheet for MC217990

Il31ra (BC066164) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il31ra (BC066164) Mouse Untagged Clone
Tag:	Tag Free
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 »

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Fully Sequenced ORF:

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>BC066164
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATCCTCTGGGTGTGAACGCTGGAATAATGTGGACCTTGGCACTGTGGGCATTCTCTTTCCTCTGCA
AATTCAGCCTGGCAGTCCTGCCGACTAAGCCAGAGAACATTTCCTGCGTCTTTTACTTCGACAGAAATCT
GACTTGCACTTGGAGACCAGAGAAGGAAACCAATGATACCAGCTATATTGTGACTTTGACTTACTCCTAT
GGAAAAAGCAATTATAGTGACAATGCTACAGAGGCTTCATATTCTTTTCCCCGTTCCTGTGCAATGCCCC
CAGACATCTGCAGTGTTGAAGTACAAGCTCAAAATGGAGATGGTAAAGTTAAATCTGACATCACATATTG
GCATTTAATCTCCATAGCAAAAACCGAACCACCTATAATTTTAAGTGTGAATCCAATTTGTAATAGAATG
TTCCAGATACAATGGAAACCGCGTGAAAAGACTCGTGGGTTTCCTTTAGTATGCATGCTTCGGTTCAGAA
CTGTCAACAGTAGCCACTGGACGGAAGTCAATTTTGAAAACTGTAAACAGGTCTGCAACCTCACAGGACT
TCAGGCTTTCACAGAATATGTCCTGGCTCTACGGTTCAGGTTCAATGACTCAAGATATTGGAGCAAGTGG
AGCAAAGAAGAAACCAGAGTGACTATGGAGGAAGTTCCACATGTCCTGGACCTGTGGAGAATTCTGGAAC
CAGCAGACATGAACGGAGACAGGAAGGTGCGATTGTTGTGGAAGAAGGCAAGAGGAGCCCCCGTCTTGGA
GAAAACATTTGGCTACCACATACAGTACTTTGCAGAGAACAGCACTAACCTCACAGAGATAAACAACATC
ACCACCCAGCAGTATGAACTGCTTCTGATGAGCCAGGCACACTCTGTGTCCGTGACTTCTTTTAATTCTC
TTGGCAAGTCCCAAGAGGCCATCCTGAGGATCCCAGATGTCCATGAGAAGACCTTCCAGTACATTAAGAG
CATGAAGGCCTACATAGCCGAGCCCCTGTTGGTGGTGAACTGGCAAAGCTCCATTCCTGCGGTGGACACT
TGGATAGTGGAGTGGCTCCCAGAAGCTGCCATGTCGAAGTTCCCTGCCCTTTCCTGGGAATCTGTGTCTC
AGGTCACGAACTGGACCATCGAGCAAGATAAACTAAAACCTTTCACATGCTATAATATATCAGTGTATCC
AGTGTTGGGACACCGAGTTGGAGAGCCGTATTCAATCCAAGCTTATGCCAAAGAAGGAACTCCATTAAAA
GGTCCTGAGACCAGGGTGGAGAACATCGGTCTGAGGACAGCCACGATCACATGGAAGGAGATTCCTAAGA
GTGCTAGGAATGGATTTATCAACAATTACACTGTATTTTACCAAGCTGAAGGTGGAAAAGAACTCTCCAA
GACTGTTAACTCTCACTCACCCCAAGTTTATTACGCATTGACTGCTGCTAAATCAAGAAACTCCAGAAAC
CTCCAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-MluI

ACCN: BC066164

Insert Size: 1479 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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).

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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
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]

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