

Product datasheet for **MR209219**

Il17re (BC069861) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il17re (BC069861) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Il17re
Synonyms:	AA589509; IL-17RE; Il25r
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209219 representing BC069861
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGAGCCCCAGACTGGCAGCCTTGCTCCTGTCTCTCCGCTACTGCTCATCGGCCTCGCTGTGTCTG
 CTCGGTTGCCTGCCCTGCCTGCGGAGTTGGACCAGCCACTGTCTCCTGGCCTACCGTGTGGATAAACG
 TTTTGCTGGCCTTCAGTGGGGCTGGTCCCTCTCTTGGTGAAGAAATCTAAAAGTCTCCTAAATTTGAA
 GACTATTGGAGGCACAGGACACCAGCATCCTTCCAGAGGAAGCTGCTAGGCAGCCCTTCCCTGTCTGAGG
 AAAGCCATCGAATTTCCATCCCCCTCAGCCATCTCCACAGAGGCCAACGCACCAAAAGGGCCAGCC
 TTCAGTGCAGAAGGAAGAGAACATCTCCCTGAAGCAGGGTCAAAAAGTGTGGAGGACCTGAATTTCTC
 TTTGATTTGCTGCCCGAGGTGCAGGCTGTTCCGGTGACTATTCTGCAGGCCCAAGGCCAGTGTGCGCC
 TTTGTTATCAGTGGGCACTGGAATGTGAAGACTTGAGTAGCCCTTTTGATACCCAGAAAATTGTGTCTGG
 AGGCCACACTGTAGACCTGCCTTATGAATTCCTTCTGCCCTGCATGTGCATAGAGGCCTCTACCTGCAA
 GAGGACACTGTGAGGCGCAAAAAGTGTCCCTTCCAGAGCTGGCCTGAAGCTTATGGCTCAGACTTCTGGC
 AGTCAATACGCTTCACTGACTACAGCCAGCACAATCAGATGGTCAATGGCTCTGACTCCGCTGCCCACT
 GAAACTGGAGGCCTCCCTCTGCTGGAGGCAGGCCACTCACACCCTGCGAAACCCTTCCCAACGCCACA
 GCACAGGAGTCAGAAGGATGGTATATCTGGAGAATGTGGACTTGACCCCCAGCTCTGCTTTAAGTTCT
 CATTTGAAAACAGCAGCCACGTTGAATGTCCCCACCAGAGTGGCTCTCTCCATCCTGGACTGTGAGCAT
 GGATACCCAGGCCAGCAGCTGACGCTTCACTTTTCTTCGAGGACATATGCCACCTTCAGTGTGCCTGG
 AGTGACCCAGGTTTGGGGCCGGATACCCCATGCCTCCTGTGTACAGCATCAGCCAGACCCAGGGCTCAG
 TCCCAGTAGCCTAGACCTCATCATCCCCTTCTGAGGCAGGAGAATTGCATCCTGGTGTGGAGGTCAGA
 TGTCCATTTTGCCTGGAAGCACGCTTGTGTCTGATGCGGACTCAGAGGCACAGCGACGCTGGTGGGA
 GCTTTGGCCGAAGTCTGCGGACGGCGCTGGGAGGTGGACGCGAGTGTGATCGTGGATCTCTGGGAAGGGA
 CGCACGTAGCACGATTGGACCACTGCCGTGGCTTTGGGCAGCGCGGGAGCGCTGGCGCGGGAGCAGGG
 CACAGTGTCTCCTGTGGAAGTGTGCGGGTCCCAGCACCGCTGCAGCGGTGACCCGAGGCTGCGTCC
 CTTGCGACCTTGTGTGCGCTGCTCCACGTCGCTGCTGCTCGCCTACTTCAGTCGCTCTGCGCCAAAG
 GTGACATCCCCGGCCGCTGCGCGCTCTGCCACGCTACCGCTGCTTCGTGACCTGCCGCGCTGCTGAG
 AGCACTGGATGCTCAGCCTGCCACCCTAGCCTCCAGCTGGAGTCACTTGGGGCTAAGCGGTGCTTGAAA
 AACCGTCTGGAGCAGTGTACCTGCTGGAAGTGGAGGCTGCCAAAGATGACTACCAAGGCTCAACCAATA
 GTCCTGTGGTTTCAGCTGTCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209219 representing BC069861
 Red=Cloning site Green=Tags(s)

MGSPRLAALLLSLPLLLIGLAVSARVACPCLRSWTSCHLLAYRVDKRFAGLQWGWFP LLVRSKSPPKFE
 DYWRHRTPASFQRKLLGSPSLSEESHRISSIPSSAISHRGQRTKRAQPSAAEGREHLPEAGSQKCGGPEFS
 FDLLPEVQAVRVTIPAGPKASVRLCYQWALECEDLSSPFDTKIVSGGHTVDLPYEFLLPCMCIEASYLQ
 EDTVRRKKCPFQSWPEAYGSDFWQSIRFTDYSQHNQVMALTLRCPLKLEASLCWRQDPLTPCETLPNAT
 AQESEGWYILENVDLHPQLCFKFSFENSSHVECPHQSGSLPSWTVSMDTQAQQLTLHFSSRTYATFSAAW
 SDPGLGPDTPMPPVYSISQTQGSVPVTLDLIIPFLRQENCILVWRSDVHF AWKHVLCPDADSEAQRRLVG
 ALAELLRTALGGGRDIVDLWEGTHVARIGPLPWLWAARERVAREQGTVLLLWNCAGPSTACSGDPQAAS
 LRTLLCAAPRPLLLAYF SRLCAKGDIPRPLRALPRYRLLRDLPRLLRALDAQPATLASSWSHLGAKRCLK
 NRLEQCHLLELEAAKDDYQGSTNSPCGFSCL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC069861

ORF Size: 1773 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: [BC069861.1](#)

RefSeq Size: 2118 bp

RefSeq ORF: 1775 bp

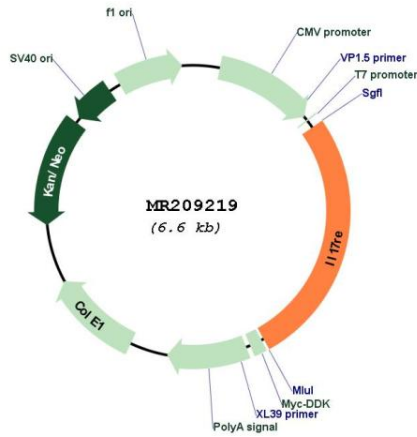
Locus ID: 57890

Cytogenetics: 6 E3

MW: 77.7 kDa

Gene Summary: Specific functional receptor for IL17C, signaling through the NF-kappa-B and MAPK pathways. Requires TRAF3IP2 /ACT1 for signaling. Crucial regulator in innate immunity to bacterial pathogens, such as Citrobacter rodentium. Isoform 4 and isoform 5 may be either cytoplasmic inactive or dominant active forms. Isoform 2 and isoform 3 may act as soluble decoy receptors.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209219