

Product datasheet for MR229902

Il17re (NM_001034031) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il17re (NM_001034031) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Il17re
Synonyms:	AA589509; IL-17RE; Il25r
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229902 representing NM_001034031 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGCATAGAGGCTCCTACCTGCAAGAGGACACTGTGAGGCGCAAAAAGTGTCCTTCCAGAGCTGGC
CTGAAGCTTATGGCTCAGACTTCTGGCAGTCAATACGCTTCACTGACTACAGCCAGCACAATCAGATGGT
CATGGCTCTGACTCCGCTGCCACTGAACTGGAGGCTCCCTCTGCTGGAGGCAGGACCCACTCACA
CCCTGCGAAACCTTCCCAACGCCACAGCACAGGAGTCAGAAGGATGGTATATCCTGGAGAATGTGGACT
TGACCCCCAGCTCTGCTTTAAGTTCTCATTTGAAAACAGCAGCCACGTTGAATGTCCCCACCAGAGTGG
CTCTCTCCCATCCTGGACTGTGAGCATGGATACCCAGGCCAGCAGCTGACGCTTCACTTTTCTTCGAGG
ACATATGCCACCTTCAGTGTCTGGAGTGACCCAGGTTTGGGGCCGGATACCCCCATGCCTCCTGTGT
ACAGCATCAGCCAGACCCAGGGCTCAGTCCCAGTGACGCTAGACCTCATCATCCCCTTCTGAGGCAGGA
GAATTGCATCCTGGTGTGGAGGTCAGATGTCCATTTTGCCTGGAAGCAGCTTTGTGTCTGATGTCTCC
CATAGACACCTCGGGCTTTGATCCTGGCACTGGCTCTCACCCTCTAGTGGGTGATGTTCTGGTCC
TCCTCGGCCGGCGCTACTGCCAGGCTCCGGTCAACAAGCCAGTTTTACTCCTACATGCAGCGACTC
AGAGGCACAGCGACGCTGGTGGGAGCTTTGGCCGAAGTCTGCGGACGCGCTGGGAGGTGGACGCGAC
GTGATCGTGGATCTCTGGGAAGGACGCACGTAGCACGATTGGACCCTGCCGTTGGCTTTGGGAGCGC
GGGAGCGCGTGGCGGGAGCAGGGCACAGTGTCTCCTGTGGAAGTGTGCGGGTCCCAGCACCGCCTG
CAGCGGTGACCCGAGGCTGCGTCCCTTCGCACCTTGTGTGCGCTGCTCCACGTCGCTGCTCGCC
TACTTCAGTCGCCTCTGCGCCAAAGGTGACATCCCCGGCCGCTGCGCGCTTGGCACGCTACCGCTGC
TTCGTGACCTGCCGCGCTGCTGAGAGCACTGGATGCTCAGCCTGCCACCCTAGCCTCCAGCTGGAGTCA
CCTTGGGGCTAAGCGGTGCTTAAAAACCGTCTGGAGCAGTGTACCTGCTGGAAGTGGAGCTGCCAAA
GATGACTACCAAGGCTCAACCAATAGTCCCTGTGGTTTCAGCTGTCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229902 representing NM_001034031
Red=Cloning site Green=Tags(s)

MCIEASYLQEDTVRRKKCPFQSWPEAYGSDFWQSIRFTDYSQHNQMVMALTLRCPLKLEASLCWRQDPLT
 PCETLPNATAQESEGWYILENDLHPQLCFKFSFENSSHVECPHQSGSLPSWTVSMDTQAQQLTLHFSSR
 TYATFSAAWSDPGLGPDTPMPVYSISQTQGSVPVTLDLIIPFLRQENCILVWRSDVHFawkHVLCPDVS
 HRHLGLLILALLALTALVGVVLVLLGRLLPGSGRTRPVLLLHAADSEAQRRLVGALAE LLRTALGGGRD
 VIVDLWEGTHVARIGPLPWLWAARERVAREQGTVLLLWNCAGPSTACSGDPQAASLR TLLCAAPRLLLA
 YF SRLCAKGDIPRPLRALPRYRLLRDLPRLLRALDAQPATLASSWSHLGAKRCLKNRLEQCHLLELEAAK
 DDYQGSTNSPCGF SCL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

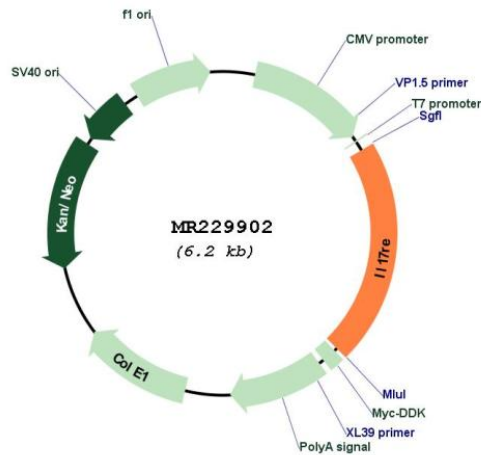
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001034031

ORF Size:	1308 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:	<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:	NM_001034031.2
RefSeq Size:	1973 bp
RefSeq ORF:	1311 bp
Locus ID:	57890
UniProt ID:	Q8BH06
Cytogenetics:	6 E3
MW:	49 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]