

Product datasheet for **MR220247**

IL17re (NM_001034029) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL17re (NM_001034029) 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:

>MR220247 representing NM_001034029
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGCATAGAGGCTCCTACCTGCAAGAGGACTGTGAGGCGCAAAAAGTGTCCCTTCCAGAGCTGGC
 CTGAAGCTTATGGCTCAGACTTCTGGCAGTCAATACGCTTCACTGACTACAGCCAGCACAATCAGATGGT
 CATGGCTCTGACTCCGCTGCCACTGAACTGGAGGCCTCCCTCTGCTGGAGGAGGACCCACTCACA
 CCCTGCGAAACCTTCCCAACGCCACAGCACAGGAGTCAGAAGGATGGTATATCCTGGAGAATGTGGACT
 TGCACCCCGAGCTCTGCTTAAAGTTCTCATTTGAAAACAGCAGCCACGTTGAATGTCCCACAGAGTGG
 CTCTCTCCCATCTGGACTGTGAGCATGGATACCCAGGCCAGCAGCTGACGCTTCACTTTTCTCGAGG
 ACATATGCCACCTTCAGTGTGCTGGAGTGACCCAGGTTGGGGCCGGATACCCCATGCCTCCTGTGT
 ACAGCATCAGCCAGACCCAGGGCTCAGTCCAGTGACGCTAGACCTCATCATCCCCTTCTGAGGCAGGA
 GAATTGCATCCTGGTGTGGAGGTCAGATGTCCATTTTGCCTGGAAGCACGTCTTGTGTCTGATGTCTCC
 CATAGACACCTCGGGCTCTTGATCCTGGCACTGCTGGCTCTCACCGCTCTAGTGGGTGTAGTTCTGGTCC
 TCCTCGGCCGGCCCTACTGCCAGGCTCCGGTTCGAACAAGGCCAGTTTTACTCCTACATGCAGCGGACTC
 AGAGGCACAGCGACGCCTGGTGGGAGCTTTGGCCGAAGTCTGCGGACGGCGCTGGGAGGTGGACGCGAC
 GTGATCGTGGATCTCTGGGAAGGACGCACGTAGCACGCATTGGACCACTGCCGTGGCTTTGGGCAGCGC
 GGGAGCGCGTGGCGCGGGAGCAGGGCACAGTGTCTCTGTGGAAGTGTGCGGGTCCCAGCACCCGCTG
 CAGCGGTGACCCGAGGCTGCGTCCCTTCGCACCTTGTGTGCGTGTCCACGTCCGCTGCTGCTCGCC
 TACTTCAGTCGCCTCTGCGCCAAAGGTGACATCCCCGGCCGCTGCGCGCTCTGCCACGCTACCCGCTGC
 TTCGTGACCTGCCGCGCCTGCTGAGAGCACTGGATGCTCAGCCTGCCACCCTAGCCTCCAGCTGGAGTCA
 CCTTGGGGCTAAGCGGTGCTTGA AAAACCGTCTGGAGCAGTGTCACCTGCTGGAAGTTGAGGCTGCCAAA
 GATGACTACCAAGGCTCAACCAATAGTCCCTGTGGTTTCAGCTGTCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220247 representing NM_001034029
 Red=Cloning site Green=Tags(s)

MCIEASYLQEDTVRRKKCPFQSWPEAYGSDFWQSIRFTDYSQHNQMVMALTLRCPLKLEASLCWRQDPLT
 PCETLPNATAQESEGWYLEENVDLHPQLCFKFSFENSSHVECPHQSGSLPSWTVSMDTQAQQLTLHFSSR
 TYATFSAAWSDPGLGPDTPMPVYSISQTQGSVPVTLDLIIPFLRQENCILVWRSVDFHAWKHVLCPDVS
 HRHLGLLILALLALTALVGVVLLVLLGRRLLPGSGRTRPVLLLHAADSEAQRRLVGALAE LLRTALGGGRD
 VIVDLWEGTHVARIGPLPWLWAARERVAREQGTVLLLWNCAGPSTACSGDPQAASLRLLCAAPRLLLLA
 YFSLCAKGDIPRPLRALPRYRLLRDLPRLLRALDAQPATLASSWSHLGAKRCLKNRLEQCHLLELEAAK
 DDYQGSTNSPCGF SCL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001034029

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:

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_001034029.2](#)
RefSeq Size: 1898 bp

RefSeq ORF: 1311 bp

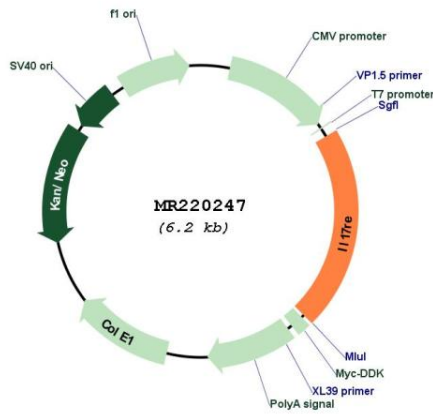
Locus ID: 57890

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]

Product images:



Circular map for MR220247