

## Product datasheet for **MR230922**

### **Il17rc (NM\_178942) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Il17rc (NM_178942) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Il17rc
Synonyms:	1110025H02Rik; Gm19850; IL-17RC; IL17-RC; IL17-RL; Il17rl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide  
Sequence:

>MR230922 representing NM\_178942  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCCTGTGTCCTGGTTCCTGCTGTCCTTGGCACTGGGCCGAAACCCTGTGGTCGTCTCTGAGAGAC  
TGATGGAGCCTCAGGACTGCACGCTGCTCTAGGCCTCTCCTGCCACCTCTGGGATGGTGACGTGCT  
CTGCCTGCCTGGAAGCCTCCAGTCTGCCCCAGGCCCTGTGCTAGTGCCTACCCGCCTGCAGACGGAGCTG  
GTGCTGAGGTGTCCACAGAAGACAGATTGCGCCCTCTGTGTCCGTGTGGTGGTCCACTTGGCCGTGCATG  
GGCACTGGCAGAGCCTGAAGAAGCTGGAAGTCTGATTGAGAACTCCAGGAGTCTAGGAACGCCTCTCT  
CCAGGCCAGGTGGTCTCTCTCCAGGCCTACCCATCGCCCGCTGTGCCCTGCTGGAGGTCCAGGTG  
CCCCTGACCTGGTGCAGCCTGGTCCGTGGGTTCTGCGGTATTTGACTGTTTCGAGGCTAGTCTTG  
GGCTGAGGTACAGATCTGGTCTACACGAAGCCAGGTACCAGAAGAGCTCAACCTCACACAGCAGCT  
GCCTGACTGCAGGGTCTTGAAGTCCGGGACAGCATCCAGAGCTGCTGGGTCCTGCCCTGGCTCAATGTG  
TCTACAGATGGTACAATGTCTCTGACACTGGATGTCTCTGAGGAGCAGGACTTTAGCTTCTTACTGT  
ACCTGCGTCCAGTCCCGGATGCTCTCAAACTCTTGTGGTACAAAAACCTGACTGGACCTCAGAACATTAC  
TTAAACCACACAGACCTGGTCCCTGCCTCTGCATTGAGGTGTGGTTCGCTAGAGCCAGACTCTGAGAGG  
GTCGAATCTGCCCTTCCGGGAAGATCCCGGTGCACACAGGAACCTCTGGCACATAGCCAGGCTGCGGG  
TACTGTCCCAGGGGTATGGCAGCTAGATGCGCCTTGCTGTCTGCCGGGCAAGGTAACACTGTGCTGGCA  
GGCACCAGACCAGAGTCCCTGCCAGCACTTGTGCCACAGTGGCCGAGAAGAACGCCACTGTGAATGAG  
CCACAAGATTTCCAGTTGGTGGCAGGCCACCCAACTCTGTGTCAGGTGAGCACCTGGGAGAAGGTTT  
AGCTGCAAGCGTCTTGTGGGCTGACTCCTTGGGGCCCTTCAAGGATGATATGCTGTTAGTGGAGATGAA  
AACCGGCCTCAACAACACATCAGTCTGTGCCTTGGAAACCCAGTGGCTGTACACCACTGCCAGCATGGCC  
TCCACGAGAGCTGCTCGCTGGGAGAGGAGTTGCTGCAAGACTTCCGATCACACCAGTGTATGCAGTGT  
GGAACGATGACAACATGGGATCGCTATGGGCCTGCCCCATGGACAAGTACATCCACAGGCCTGGGTCTT  
AGTATGGCTGGCCTGCCTACTCTTGGCTGCGGCGCTTTTCTTCTCTCTCTTCTAAAAAAGGACCGCAGG  
AAAGCGGCCCGTGGCTCCCGCACGGCCTTGTCTCCACTCCGCCGACGGAGCGGGCTACGAGCGTCTGG  
TGGGAGCACTGGCGTCCGCTTGGCCAGATGCCACTGCGCGTGGCCGTGGACCTGTGGAGCCGCCGGA  
GCTGAGCGCGCACGGAGCCCTAGCCTGGTTCACCACCAGCGACCGCTATCCTGCAGGAGGTTGGCGTG  
GTAATCCTTCTCTCTCGCCCGCGCCGTGGCGCAGTGTGAGCAGTGGCTGCAGTCCAGACAGTGGAGC  
CCGGGCCGATGACGCCCTCGCCGCTGGCTCAGCTGCGTGTACCCGATTTCTGCAAGGCCGGCGCAC  
CGGCCGCTACGTGCGGGTCTACTTCGACGGGCTGCTGCACCCAGACTCTGTGCCCTCCCCGTTCCGCGTC  
GCCCGCTCTTCTCCCTGCCCTCGCAGCTGCCGCTTTCTGGATGCACTGCAGGGAGGCTGCTCCACTT  
CCGCGGGGCGACCCGCGGACCGGTGGAACGAGTGACCCAGGCGCTGCGGTCCGCCCTGGACAGCTGTAC  
TTCTAGCTCGGAAGCCCCAGGCTGCTGCGAGGAATGGGACCTGGGACCTGCACTACACTAGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR230922 representing NM\_178942  
 Red=Cloning site Green=Tags(s)

MPVSWFLLSLALGRNPVVVSLERLMEPQDTARCSLGLSCHLWDGDVLCPLGSLQSAPGPVLVPTRLQTEL  
 VLRCPQKTDICALCVRVVVHLAVHGHWAEPPEEAGKSDSELQESRNASLQAQVVL SFQAYPIARCALLEVQV  
 PADLVQPGQSVGS AVFDCFEASLGAEVQIWSYTKPRYQKELNL TQQLPDCRGLEVRDSIQSCWVLPWLN  
 STDGDNVLLTLDVSEEQDF SFLLYLRPVPDALKSLWYKNTL TGPQNTLNHTDLVPCLCIQVWSLEPDSER  
 VEFPCPFREDPGAHRNLWHIARLRLVSPGVWQLDAPCCLPGKVTL CWQAPDQSPCQPLVPPVPQKNATVNE  
 PQDFQLVAGHPNLCVQVSTWEKVQLQAACLWADSLGPFKDDMLL VEMKTGLNNTSVCALEPSGCTPLPSMA  
 STRAARLGEELLQDFRSHQCMQLWDDNMGSLWACPMDKYI HRRWVWVLAACLLAAALFFLLKDRR  
 KAARGSR TALLLHSADGAGYERLVGALASAL SQMPLRVAVDLWSRRELSAHGALAWFHHQRRILQEGGV  
 VILLFSPAAVAQCQWLQLQTVEPGPHDALA AWLSCVLPDFLQGRATGRYVGVYFDGLLHPDSVPSFRV  
 APLFSLPSQLPAFLDALQGGCST SAGRPADRVERVTQALRSALD SCTSSSEAPGCCEEWDLGPCTTLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

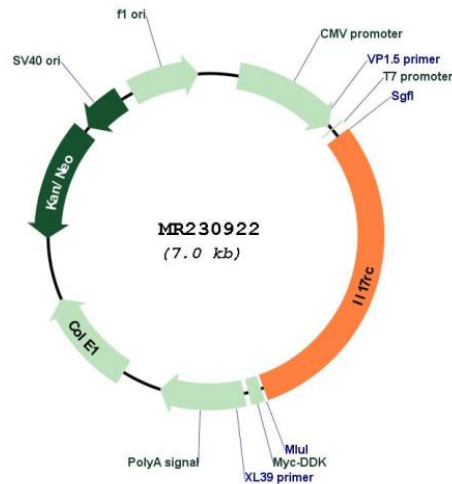
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



## Plasmid Map:



ACCN: NM\_178942

ORF Size: 2094 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\\_178942.1](#), [NP\\_849273.1](#)

RefSeq Size: 2369 bp

RefSeq ORF: 2097 bp

Locus ID: 171095

UniProt ID: [Q8K4C2](#)

Cytogenetics: 6 E3

MW: 77.6 kDa

**Gene Summary:** Receptor for IL17A and IL17F homodimers as part of a heterodimeric complex with IL17RA (PubMed:17911633, PubMed:20554964). Receptor for the heterodimer formed by IL17A and IL17B as part of a heterodimeric complex with IL17RA (By similarity). Has also been shown to be the cognate receptor for IL17F and to bind IL17A with high affinity without the need for IL17RA (By similarity).[UniProtKB/Swiss-Prot Function]