

## Product datasheet for **MC204242**

### II15 (NM\_008357) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** II15 (NM\_008357) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** II15  
**Synonyms:** AI503618; IL-15  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC023698  
 CCACGCGTCCGCAATACTCAGTGGCACTGTATTCCCCTTCTGTCCAGCCACTCTTCCCCAGAGTTCTCTT  
 CTTTCATCTCCCCCTTGCAGAGTAGGGCAGCTTGCAGGTCTCTGCAAGTCTCTCCCAATTCTCTGCGC  
 CCAAAAGACTTGCAGTGCATCTCCTTACGCGCTGCAGGGACCTTGCCAGGGCAGGACTGCCCCCGCCAG  
 TTGCAGAGTTGGACGAAGACGGGATCCTGCTGTGTTTGGAAAGGCTGAGTCCACATCTAACAGCTCAGAG  
 AGAATCCACCTTGACACATGGCCCTCTGGCTCTTCAAAGCACTGCCTCTTCATGGTCTTCTGCTGGT  
 TCCCTTAAGAACACAGAAACCCATGTGAGCAGATAACCAGCCTACAGGAGGCCAAGAAGAGTTCTGGATG  
 ATGGCAGCTGGAAGCCATCGCCATAGCCAGCTCATCTTCAACATTGAAGCTCTTACCTGGGCATTAAGT  
 AATGAAAATTTTGAACCATATATGAGGAATACATCCATCTCGTGTACTTGTGTTTCTTAAACAGT  
 CACTTTTTAACTGAGGCTGGCATTTCATGTCTTCTTTGGGCTGTGTGAGTGTAGGCTCCCTAAAAACAG  
 AGGCCAACTGGATAGATGTAAGATATGACCTGGAGAAAATTGAAAGCCTTATTCAATCTATTCATATTGA  
 CACCACTTTATACACTGACAGTGACTTTTCATCCCAGTTGCAAAGTTACTGCAATGAACTGCTTTCTCCTG  
 GAATTGCAGGTTATTTTACATGAGTACAGTAACATGACTCTTAATGAAACAGTAAGAAACGTGCTCTACC  
 TTGCAAACAGCACTCTGTCTTCTAACAAGAATGTAGCAGAATCTGGCTGCAAGGAATGTGAGGAGCTGGA  
 GGAGAAAACCTTCACAGAGTTTTTGCAGGCTTTATACGCATTGTCCAAATGTTTCATCAACACGTCCTGA  
 CTGCATGCGAGCCTCTTCCGTGTTTCTGTTATTAAGGTACCTCCACCTGCTGCTCAGAGGCGACACAGCT  
 CCATGCATTTGAAATCTGCTGGGCAAATTAAGCTTCTCAACAAGGAGATAATGAGCCACTTGGATCACAT  
 TCGCTTCAATTTGTACATATTTGTAATATAACAGAAGATGTGGAATAAAGTTGTATGGATATTTTATCAAT  
 TGAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_008357  
**Insert Size:** 489 bp



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**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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:** [BC023698](#), [AAH23698](#)

**RefSeq Size:** 1312 bp

**RefSeq ORF:** 489 bp

**Locus ID:** 16168

**UniProt ID:** [P48346](#)

**Cytogenetics:** 8 39.33 cM

**Gene Summary:**

This gene encodes a pleiotropic cytokine of the interleukin family of proteins that plays important roles in the innate and adaptive cell homeostasis, as well as peripheral immune function. The encoded protein undergoes proteolytic processing to generate a mature cytokine that stimulates the proliferation of natural killer cells. The transgenic mice overexpressing the encoded protein exhibit an increase in the number of memory CD8+ T cells in a naive state and enhanced protection against bacterial infections. Mice lacking the encoded protein exhibit impaired protection against a strain of attenuated Mycobacterium. [provided by RefSeq, Aug 2016]

Transcript Variant: This variant (1) represents the longest transcript. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.