

Product datasheet for **MC226014**

II15 (NM_001254747) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: II15 (NM_001254747) Mouse Untagged Clone
Tag: Tag Free
Symbol: II15
Synonyms: AI503618; IL-15
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226014 representing NM_001254747
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAAATTTTGAACCATATATGAGGAATACATCCATCTCGTGCTACTTGTGTTTCCTTCTAACAGTC
ACTTTTTAACTGAGGCTGGCATTTCATGTCTTCATTTGGGCTGTGTCAGTGTAGGTCTCCCTAAAACAGA
GGCCAACCTGGATAGATGAAGATATGACCTGGAGAAAATTGAAAGCCTTATTCAATCTATTCATATTGAC
ACCACTTTATACACTGACAGTGACTTTTCATCCAGTTGCAAAGTTACTGCAATGAACTGCTTCTCTG
AATTGCAGGTTATTTTACATGAGTACAGTAACATGACTCTTAATGAAACAGTAAGAAACGTGCTCTACCT
TGCAAACAGCACTCTGTCTTCTAACAAGAATGTAGCAGAATCTGGCTGCAAGGAATGTGAGGAGCTGGAG
GAGAAAACCTTCACAGAGTTTTTGCAGCTTTTACGCATTGTCCAAATGTTTCATCAACACGTCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001254747
Insert Size: 489 bp
OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001254747.1</u> , <u>NP_001241676.1</u>
RefSeq Size:	1287 bp
RefSeq ORF:	489 bp
Locus ID:	16168
UniProt ID:	<u>P48346</u>
Cytogenetics:	8 39.33 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 5' UTR, compared to variant 1. 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.</p>