

Product datasheet for MR228225

Il15 (NM 001254747) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: II15 (NM_001254747) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: II15

Synonyms: AI503618; IL-15

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >MR228225 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGAAAATTTTGAAACCATATATGAGGAATACATCCATCTCGTGCTACTTGTGTTTCCTTCTAAACAGTC ACTTTTTAACTGAGGCTGGCATCATGTCTTCATTTTGGGCTGTCAGTGTAGGTCTCCCTAAAACAGA GGCCAACTGGATAGATGTAAGATATGACCTGGAGAAAATTGAAAGCCTTATTCAATCTATTCATATTGAC ACCACTTTATACACTGACAGTGACTTTCATCCCAGTTGCAAAGTTACTGCAATGAACTGCTTTCTCCTGG AATTGCAGGTTATTTTACATGAGTACAGTAACATGACTCTTAATGAAACAGTAAGAAACGTGCTCTACCT TGCAAACAGCACTCTGTCTTCTAACAAGAATGTAGCAGAATCTGGCTGCAAGGAATGTGAGGAGCTGGAG GAGAAAACCTTCACAGAGGTTTTTTGCAAAGCTTTTATACGCATTGTCCAAATGTTCATCAACACGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228225 protein sequence

Red=Cloning site Green=Tags(s)

MKILKPYMRNTSISCYLCFLLNSHFLTEAGIHVFILGCVSVGLPKTEANWIDVRYDLEKIESLIQSIHID TTLYTDSDFHPSCKVTAMNCFLLELQVILHEYSNMTLNETVRNVLYLANSTLSSNKNVAESGCKECEELE

EKTFTEFLQSFIRIVQMFINTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

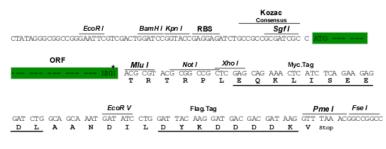
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Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001254747

ORF Size: 489 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: <u>NM 001254747.1</u>, <u>NP 001241676.1</u>

RefSeq Size: 1287 bp
RefSeq ORF: 489 bp
Locus ID: 16168
UniProt ID: P48346



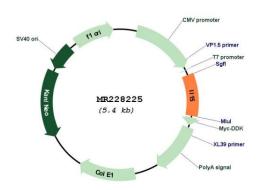
Cytogenetics: 8 39.33 cM MW: 18.6 kDa

Gene Summary: This gene encodes a 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]

Product images:



Circular map for MR228225