

Product datasheet for MR228443

Il15ra (NM_001271500) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Il15ra (NM_001271500) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Il15ra
Synonyms: AA690181; IL-15RA
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228443 representing NM_001271500
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCCTCGCCGAGCTCCGGGGCTATGGAGTCCAGGCCATTCTGTGTTGCTGCTGCTGTTGCTAC
 TGTTGCTCCCGCTGAGGGTGACGCCGGCACCACGTGTCCACCTCCCGTATCTATTGAGCATGCTGACAT
 CCGGGTCAAGAATTACAGTGTGAAGTCCAGGGAGAGGTATGTCTGTAAGTCTGGCTTTAAGCGGAAAGCT
 GGAACATCCACCCTGATTGAGTGTGTGATCAACAAGAACAACAAATGTTGCCCACTGGACAACCTCCAGCC
 TCAAGTGCATCAGAGACCCCTCCCTAGCTCACTACAGTCCAGTGCCAACAGTAGTGACACCAAAGGTGAC
 CTCACAGCCAGAGAGCCCTCCCTCTGCAAAAGAGATTTCTCCCCACAGTTCCAAAATGACGAAAGTG
 GCCATCTCTACATCGGTCTCTTGGTGGTGACAGGGGTTGTGATGGCTTTCTGGCCTGGTACATCAAAT
 CAAGGCAGCCTTCTCAGCCGTGCCGTGTTGAGGTGAAACCATGGAAACAGTACCAATGACTGTGAGGGC
 CAGCAGCAAGGAGGATGAAGACACAGGAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228443 representing NM_001271500
 Red=Cloning site Green=Tags(s)

MASPQLRGYGVQAIPVLLLLLLLLLLLLPLRVTPGTTCPPPVSIHADIRVKNYSVNSRERYVCNSGFKRKA
 GTSTLIECVINKNTNVAHWTTPSLKCIRDPSLAHSPVPTVVTPKVTSPQESPSPSAKEISPHSSKMTKV
 AISTSVLLLVGAGVMAFLAWYIKSRQPSQPCRVEVETMETVPMTVRASSKEDEDTGA

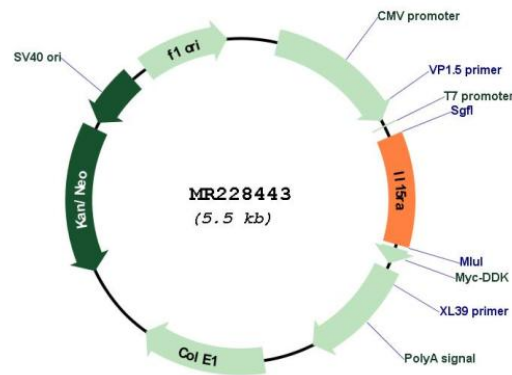
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001271500

ORF Size: 591 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_001271500.1](#), [NP_001258429.1](#)

RefSeq Size: 1466 bp

RefSeq ORF: 594 bp

Locus ID: 16169

UniProt ID: [Q60819](#)

Cytogenetics: 2 8.97 cM

MW: 21.8 kDa

Gene Summary: High-affinity receptor for interleukin-15 (PubMed:17947230). Can signal both in cis and trans where IL15R from one subset of cells presents IL15 to neighboring IL2RG-expressing cells (PubMed:17947230). In neutrophils, binds and activates kinase SYK in response to IL15 stimulation (By similarity). In neutrophils, required for IL15-induced phagocytosis in a SYK-dependent manner (By similarity).[UniProtKB/Swiss-Prot Function]