

Product datasheet for MR228246

Il15ra (NM_001271501) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Il15ra (NM_001271501) 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: >MR228246 representing NM_001271501
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCTCGCCGAGCTCCGGGGCTATGGAGTCCAGGCCATTCTGTGTTGCTGCTGCTGCTGTTGCTAC
 TGTTGCTCCCGCTGAGGGTGACGCCGGGCACCACGTGTCCACCTCCCGTATCTATTGAGCATGCTGACAT
 CCGGGTCAAGAATTACAGTGTGAAGTCCAGGGAGAGGTATGTCTGTAAGTCTGGCTTTAAGCGGAAAGCT
 GGAACATCCACCCTGATTGAGTGTGTGATCAACAAGAACAACAAATGTTGCCCACTGGACAACCTCCAGCC
 TCAAGTGCATCAAGATTTCTCCACAGTTCAAAATGACGAAAGTGGCCATCTTACATCGGTCCTCTT
 GGTTGGTGCAGGGGTTGTGATGGCTTCTGGCCTGGTACATCAAATCAAGGCAGCCTTCTCAGCCGTGC
 CGTGTGAGGTGGAAACCATGGAACAGTACCAATGACTGTGAGGGCCAGCAGCAAGGAGGATGAAGACA
 CAGGAGCC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228246 representing NM_001271501
 Red=Cloning site Green=Tags(s)

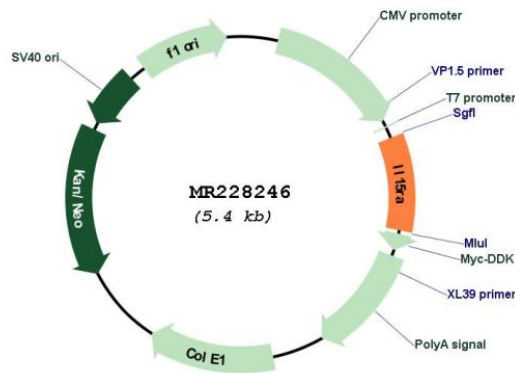
MASPLRQYGVQAIPLVLLLLLLLLLPLRVTPGTTCPVPSIEHADIRVKNYSVNSRERYVCNSGFKRKA
 GTSTLIECVINKNTNVAHWTTPSLKCICKISPHSSKMTKVAISTSVLLVGAGVMAFLAWYIKSRQPSQPC
 RVEVETMETVPMTVRASSKEDEDTGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001271501

ORF Size: 498 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:	<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_001271501.1</u> , <u>NP_001258430.1</u>
RefSeq Size:	1373 bp
RefSeq ORF:	501 bp
Locus ID:	16169
UniProt ID:	<u>Q60819</u>
Cytogenetics:	2 8.97 cM
MW:	18.6 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]