

## Product datasheet for **MR227847**

### **Il15ra (NM\_001271498) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Il15ra (NM\_001271498) 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:** >MR227847 representing NM\_001271498  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

**ATGACCACAGAGACAGCTATTATGCCTGGCTCCAGGCTGACACCATCCCAACAACCTTTCGAGGAACTA**  
**CAGGGACAGGCAGTCACAAGTCCTCCGAGCCCATCTCTTGCAACAACATGACCTTGGAGCCTACAGC**  
**CTCCACCTCCCTCAGGATAACAGAGATTCTCCACAGTTCCAAAATGACGAAAGCCAGCCAAGATCTG**  
**CGAGTACCCTGTATCGGTTACACACAGCAGATGCTCATTGGCTCCTTAGACAGAAGTGGCCATCTCTAC**  
**ATCGGTCCTCTTGTTGGTGCAGGGTTG**

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT**  
**ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:** >MR227847 representing NM\_001271498  
**Red=Cloning site Green=Tags(s)**

MTTETAIMPGSRLTPSQTTTSAGTTGTGSHKSSRAPSLAATMTLEPTASTSLRITEISPHSSKMTKASQDL  
RVPCRHLHTADAHWLLRQKWPSSLHRSSWLQGL

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Restriction Sites:** Sgfl-MluI

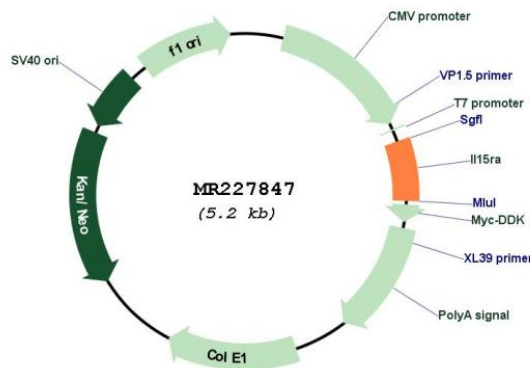


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001271498

ORF Size: 309 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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001271498.1</a></u> , <u><a href="#">NP_001258427.1</a></u>
<b>RefSeq Size:</b>	1695 bp
<b>RefSeq ORF:</b>	312 bp
<b>Locus ID:</b>	16169
<b>Cytogenetics:</b>	2 8.97 cM
<b>MW:</b>	11.6 kDa
<b>Gene Summary:</b>	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]