

## Product datasheet for **SC330144**

### IL15RA (NM\_001243539) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IL15RA (NM\_001243539) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** IL15RA  
**Synonyms:** CD215  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330144 representing NM\_001243539.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

ATGTCCGTGGAACACGCAGACATCTGGGTCAAGAGCTACAGCTTGTACTCCAGGGAGCGGTACATTTGT
AACTCTGGTTTCAAGCGTAAAGCCGGCACGTCCAGCCTGACGGAGTGCCTGTTGAACAAGGCCACGAAT
GTCGCCCACTGGACAACCCCAAGTCTCAAATGCATTAGAGACCCTGCCCTGGTTCACCAAAGGCCAGCG
CCACCCTCCACAGTAACGACGGCAGGGGTGACCCACAGCCAGAGAGCCTCTCCCTTCTGAAAAAGAG
CCCGCAGCTTCATCTCCAGCTCAAACAACACAGCGGCCACAACAGCAGCTATTGTCCCGGGCTCCCAG
CTGATGCCTTCAAATCACCTTCCACAGGAACCACAGAGATAAGCAGTCATGAGTCCTCCACGGCACC
CCCTCTCAGACAACAGCCAAGAACTGGGAACCTCACAGCATCCGCCTCCCACCAGCCGCGCAGGTGTGTAT
CCACAGGGCCACAGCGACACCACTGTGGCTATCTCCACGTCCACTGTCCTGCTGTGTGGGCTGAGCGCT
GTGTCTCTCCTGGCATGCTACCTCAAGTCAAGGCAAACTCCCCGCTGGCCAGCGTTGAAATGGAAGCC
ATGGAGGCTCTGCCGCTGACTTGGGGGACCAGCAGCAGAGATGAAGACTTGAAAACTGCTCTACCACC
CTATGA
  
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001243539  
**Insert Size:** 696 bp


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**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_001243539.1](#)

**RefSeq Size:** 1861 bp

**RefSeq ORF:** 696 bp

**Locus ID:** 3601

**UniProt ID:** [Q13261](#)

**Cytogenetics:** 10p15.1

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

**MW:** 24.4 kDa

**Gene Summary:**

This gene encodes a cytokine receptor that specifically binds interleukin 15 (IL15) with high affinity. The receptors of IL15 and IL2 share two subunits, IL2R beta and IL2R gamma. This forms the basis of many overlapping biological activities of IL15 and IL2. The protein encoded by this gene is structurally related to IL2R alpha, an additional IL2-specific alpha subunit necessary for high affinity IL2 binding. Unlike IL2RA, IL15RA is capable of binding IL15 with high affinity independent of other subunits, which suggests distinct roles between IL15 and IL2. This receptor is reported to enhance cell proliferation and expression of apoptosis inhibitor BCL2L1/BCL2-XL and BCL2. Multiple alternatively spliced transcript variants of this gene have been reported.[provided by RefSeq, Apr 2010]

Transcript Variant: This variant (3) differs in the 5' UTR and 5' coding region and uses a downstream, in-frame start codon, compared to variant 4. The encoded isoform (3) has a shorter N-terminus compared to isoform 4. 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.