

## Product datasheet for **RC233849**

### IL15RA (NM\_001256765) Human Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: IL15RA (NM\_001256765) Human Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: IL15RA  
 Synonyms: CD215  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >RC233849 representing NM\_001256765  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCGACTGGCGGGCGGCAGGTCCCAGAGCAGCGCTCGCCACCTCCCCCGGCCGGGCAGCGCTCGCC  
 CGGGGAGTCCAGCGGTGTCTGTGGAGCTGCCGCCATGGCCCCGGCGGGCGCGCGCTGCCGGACCT  
 CGGTCTCCCGCGCTGCTACTGTGTGTCTCGGCCCGCGGACGCGGGATGCAAGAGACAGGCTG  
 GCTGTCTGGCGGAAGGAGCAGAATATCTGAAAGCTTCAACCATGAGGTCCAGACACAGAGCCCTGCC  
 TGAGACTCAGGACAATGGAAAAGTCCCCAGTGCCACCACCATCGGACAAGCAGGCAGCAAGCAGGCAT  
 CAGTGCCTCCCCCATGTCCGTGGAACACGCAGACATCTGGTCAAGAGCTACAGTTGTACTCCAGG  
 GAGCGGTACATTTGTAACCTCTGGTTTCAAGCGTAAAGCCGGCACGTCCAGCTGACGGAGTGCCTGTTGA  
 ACAAGGCCACGAATGTCGCCACTGGACAACCCCCAGTCTCAAATGCATTAGAGACCTGCCCTGTTTCA  
 CCAAAGGCCAGCGCCACCCTCCACAGTAACGACGGCAGGGGTGACCCACAGCCAGAGAGCTCTCCCT  
 TCTGAAAAGAGCCCGCAGCTTCATCTCCAGCTCAAACAACACAGCGGCCACAACAGCAGCTATTGTCC  
 CGGGTCCCAGCTGATGCCTTCAAATCACCTTCCACAGGAACCCAGAGATAAGCAGTCATGAGTCTC  
 CCACGGCACCCCTCTCAGACAACAGCCAAGAAGTGGAACTCACAGCATCCGCCTCCACCAGCCGCCA  
 GGTGTGTATCCACAGGGCCACAGCGACACCAGTGGCTATCTCCAGTCCACTGTCTGTGTGGG  
 TGAGCGCTGTGTCTCTCCTGGCATGCTACCTCAAGTCAAGGCAAACCTCCCCGCTGGCCAGCGTTGAAAT  
 GGAAGCCATGGAGCTCTGCCGGTACTTGGGGACCAGCAGCAGAGATGAAGACTTGAAAAGTCTCT  
 CACCACCTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >RC233849 representing NM\_001256765  
Red=Cloning site Green=Tags(s)

MRLAGRQVPEQRSPPPPGLGSARPGSPAVSCGAAAMAPRRARGCRTLGLPALLLLLLLLRPPATRDARDRL  
 AVLAGRSRISESNHEVQTHEACVRLRTMENCQCHHRTSRQQAGITCPPPMSEVHADIWVKSYSLSYR  
 ERYICNSGFKRKAGTSSLTECVLNKATNVAHWTPSLKCIDRPALVHQRAPPSTVTTAGVTPQPESLSP  
 SGKEPAASSPSSNNTAATTAIIVPGSQLMPSKSPSTGTTEISSHESSHGTPSQTTAKNWELTASASHQPP  
 GVYPQGHSDTTVAISTSTVLLCGLSAVLLACYLKRQTPPLASVEMEAMEALPVTWGTSSRDEDLNCS  
 HHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001256765

**ORF Size:** 1059 bp

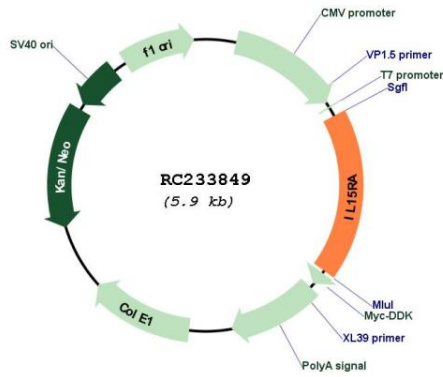
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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).

<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>	<a href="#">NM_001256765.1</a> , <a href="#">NP_001243694.1</a>
<b>RefSeq Size:</b>	1810 bp
<b>RefSeq ORF:</b>	1062 bp
<b>Locus ID:</b>	3601
<b>UniProt ID:</b>	<a href="#">Q13261</a>
<b>Cytogenetics:</b>	10p15.1
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway
<b>MW:</b>	38 kDa
<b>Gene Summary:</b>	<p>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]</p>

Product images:



Circular map for RC233849